



Kerr-McGee Oil & Gas Onshore LP
1999 Broadway, Suite 3700
Denver, CO 80205

September 19, 2007

Mrs. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

Re: Directional Drilling R649-3-11
NBU 922-18O1BS
T9S R22E
Section 18: SWSE
NWSE 1430' FSL, 2596' FEL (surface)
SWSE 1046' FSL, 1714' FEL (bottom hole)
Uintah County, Utah

Dear Mrs. Mason:

Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- Kerr-McGee's NBU 922-18O1BS is located within the Natural Buttes Unit area.
- Kerr-McGee is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to utilize the existing road and pipelines in the area.
- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore and the W/2, W/2NE/4 and SE/4 of Section 18 (federal leases USA UTU-0359, USA-UTU 0359-A and USA-UTU 0461).

Therefore, based on the above stated information Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to R649-3-11.

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP

A handwritten signature in black ink, appearing to read 'James C. Colligan III'.

James C. Colligan III
Landman

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

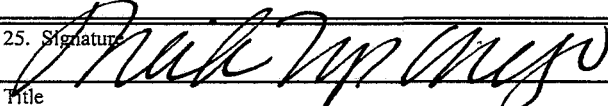

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER			5. Lease Serial No. UTU-0461	
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone			6. If Indian, Allottee or Tribe Name TRIBAL SURFACE	
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP			7. If Unit or CA Agreement, Name and No. UNIT #891008900A	
3A. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		3b. Phone No. (include area code) (435) 781-7024		8. Lease Name and Well No. NBU 922-1801BS
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/SE 1430'FSL, 2596'FEL At proposed prod. Zone SW/SE 1046'FSL, 1714'FEL			9. API Well No. 43-047-39835	
10. Distance in miles and direction from nearest town or post office* 16.6 +/- MILES FROM OURAY, UTAH			10. Field and Pool, or Exploratory NATURAL BUTTES	
11. Distance from proposed location* location to nearest property or lease line, ft. 1442' (Also to nearest drig. unit line, if any)			11. Sec., T., R., M., or Blk. and Survey or Area SEC. 18, T9S, R22E	
12. No. of Acres in lease 601.96			12. County or Parish UINTAH	
13. Spacing Unit dedicated to this well 40.00			13. State UTAH	
14. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C			14. BLM/BIA Bond No. on file RLB0005239	
15. Elevations (Show whether DF, KDB, RT, GL, etc.) 4861'GL			15. Approximate date work will start* UPON APPROVAL	
16. Estimated duration TO BE DETERMINED				

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 11/16/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved By (Signature) 	Name (Printed/Typed) BRADLEY G. HILL	Date 11-03-07
Title ENVIRONMENTAL MANAGER		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Surf

BHL

Federal Approval of this
Action is Necessary

RECEIVED

NOV 20 2007

DIV. OF OIL, GAS & MINING

629532X

4432278Y

40.032678

-104.481859

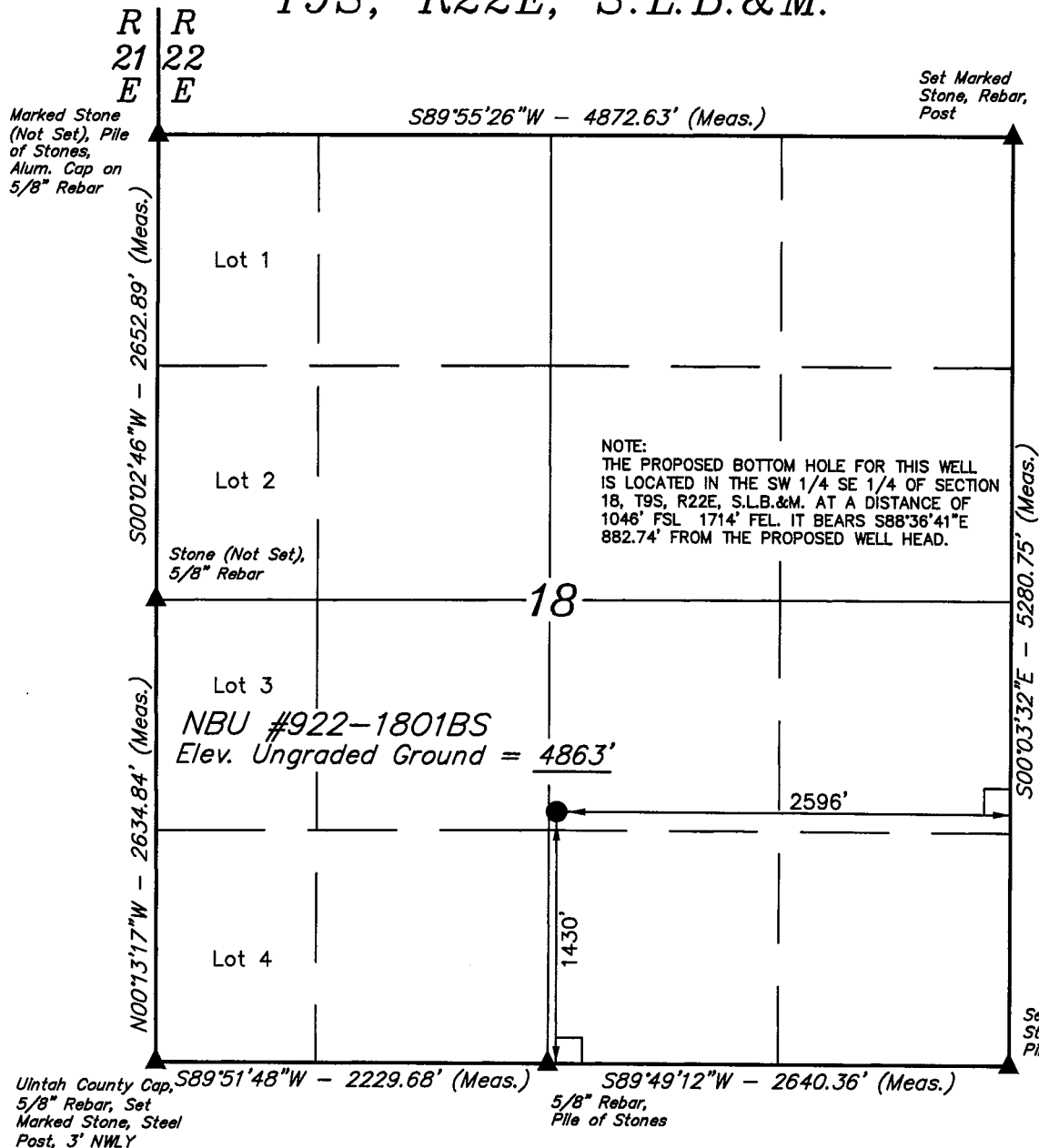
629804X

4432166Y

40.031631

-109.478699

T9S, R22E, S.L.B.&M.



Kerr-McGee Oil & Gas Onshore LP

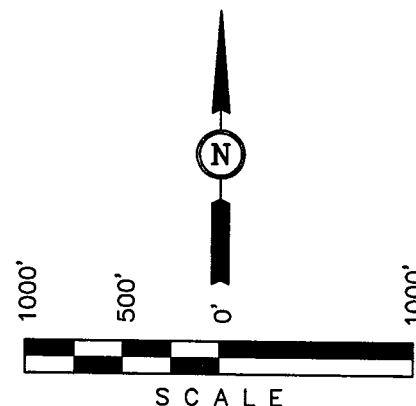
Well location, NBU #922-1801BS, located as shown in the NW 1/4 SE 1/4 of Section 18, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

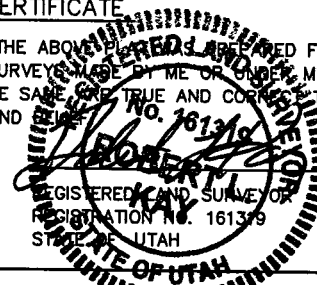
BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE REPRESENTS THE TRUE AND CORRECT LOCATION OF THE PROPOSED WELL HEAD AS SHOWN ON THE ATTACHED MAP, BASED ON FIELD NOTES OF ACTUAL SURVEY MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.



LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

(NAD 83)
LATITUDE = 40°01'57.62" (40.032672)
LONGITUDE = 109°28'57.30" (109.482583)
(NAD 27)
LATITUDE = 40°01'57.75" (40.032708)
LONGITUDE = 109°28'54.83" (109.481897)

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

SCALE 1" = 1000'	DATE SURVEYED: 05-07-07	DATE DRAWN: 05-16-07
PARTY D.K. L.K. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	

**NBU 922-1801BS
NW/SE Sec. 18, T9S, R22E
UINTAH COUNTY, UTAH
UTU-0461**

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. Estimated Tops of Important Geologic Markers:

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1692'
Top of Birds Nest Water	1978'
Mahogany	2329'
Wasatch	4927'
Mesaverde	7610'
MVU2	8575'
MVL1	9068'
TVD	9680'
TD (MD)	9837'

2. Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1692'
	Top of Birds Nest Water	1978'
	Mahogany	2329'
Gas	Wasatch	4927'
Gas	Mesaverde	7610'
Gas	MVU2	8575'
Gas	MVL1	9680'
Water	N/A	
Other Minerals	N/A	

3. Pressure Control Equipment (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. Proposed Casing & Cementing Program:

Please see the Natural Buttes Unit SOP.

5. Drilling Fluids Program:

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 9837' TD, approximately equals 6099 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3935 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please see Natural Buttes Unit SOP.

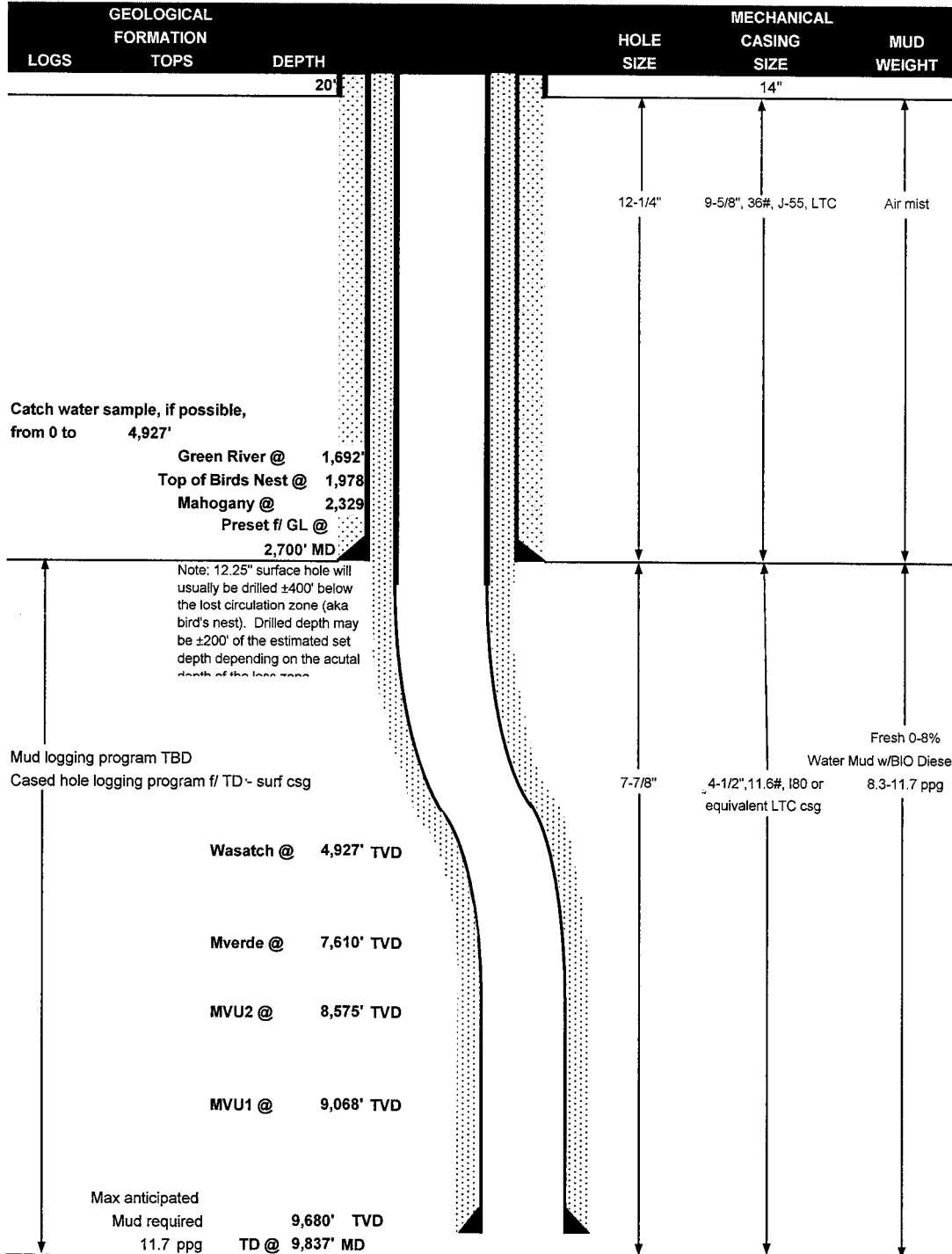
10. **Other Information:**

Please see Natural Buttes Unit SOP.



KERR-McGEE OIL & GAS ONSHORE LP **DRILLING PROGRAM**

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE November 16, 2007
WELL NAME NBU 922-1801BS TD 9,837' MD 9,680' TVD
FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 4,861' GL KB 4,876'
SURFACE LOCATION NW/SE SEC. 18, T9S, R22E 1430'FSL, 2596'FEL
Latitude: 40.032672 Longitude: 109.482583
BTM HOLE LOCATION SW/SE SEC. 18, T9S, R22E 1046'FSL, 1714'FEL
OBJECTIVE ZONE(S) Wasatch/Mesaverde
ADDITIONAL INFO Regulatory Agencies: TRIBAL SURFACE, BLM MINERALS, UDOGM, Tri-County Health Dept.





KERR-McGEE OIL & GAS ONSHORE LP **DRILLING PROGRAM**

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3520	2020	453000
SURFACE	9-5/8"	0 to 2700	36.00	J-55	LTC	0.92	1.60	5.93
PRODUCTION	4-1/2"	0 to 9837	11.60	I-80	LTC	7780	6350	201000
						2.04	1.06	2.02

- 1) Max Anticipated Surf. Press. (MASP) (Surface Casing) = (Pore Pressure at next csg point - (0.22 psi/ft - partial evac gradient x TVD of next csg point))
2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft - partial evac gradient x TD)
(Burst Assumptions: TD = 0.0 ppg) .22 psi/ft = gradient for partially evac wellbore
(Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing * Buoy. Fact. of water)
MASP 3821 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2			NOTE: If well will circulate water to surface, option 2 will be utilized				
	LEAD	1500	65/35 Poz + 6% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOW	360	35%	12.60	1.81
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	7,107'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	770	60%	11.00	3.38
	TAIL	2,730'	50/50 Poz/G + 10% salt + 2% gel + .1% R-3	770	60%	14.30	1.31

*Substitute caliper hole volume plus 15% excess if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

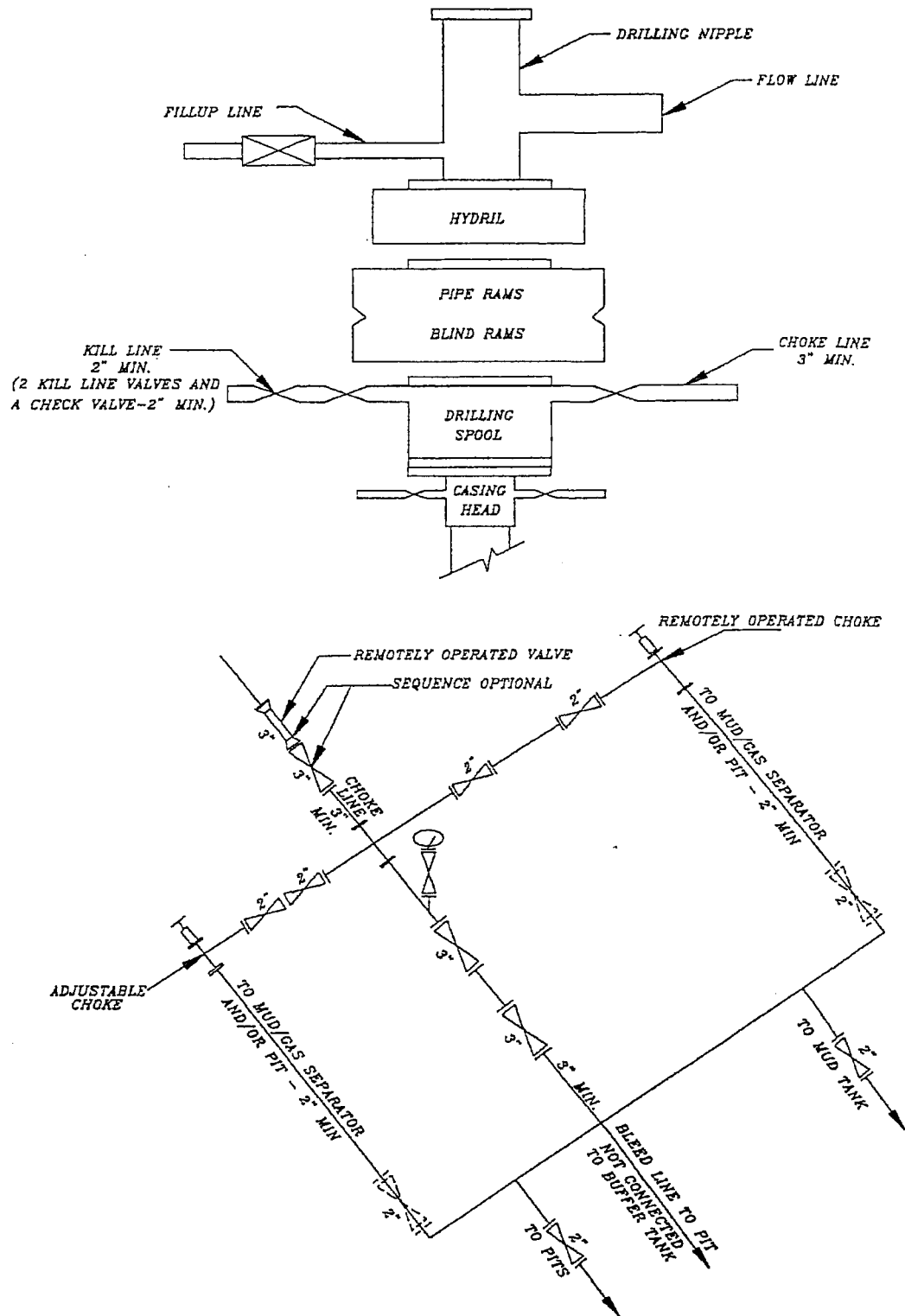
SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.
BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder & tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper & lower kelly valves.
Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.
Most rigs have PVT System for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER: _____ DATE: _____
Brad Laney
DRILLING SUPERINTENDENT: _____ DATE: _____
Randy Bayne

5M BOP STACK and CHOKE MANIFOLD SYSTEM





WeatherfordSM

Drilling Services

Proposal

Anadarko


KerrMcGee

ANADARKO - KERR McGEE

NBU 922-18O1BS

UINTAH COUNTY, UTAH

WELL FILE: PLAN 2

DATE: OCTOPBER 4, 2007

Weatherford International, Ltd.

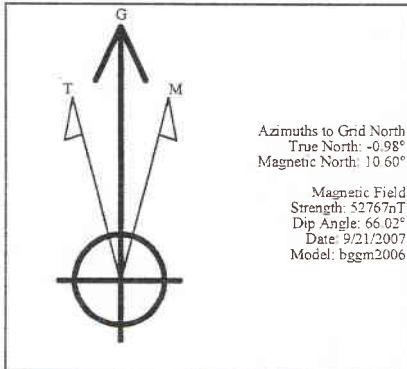
15710 John F. Kennedy Blvd

Houston, Texas 77032 USA

+1.281.260.1300 Main

+1.281.260.4730 Fax

www.weatherford.com



Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.00	0.00	112.52	0.00	0.00	0.00	0.00	0.00	0.00	
2	300.00	0.00	112.52	300.00	0.00	0.00	0.00	112.52	0.00	
3	600.00	3.00	112.52	599.86	-3.01	7.25	1.00	112.52	7.85	
4	650.00	3.00	112.52	659.78	-4.21	10.15	0.50	180.00	10.99	
5	1260.00	0.00	112.52	1259.51	-10.23	24.66	0.00	180.00	26.70	
6	2800.49	0.00	112.52	2800.00	-10.23	24.66	0.00	112.52	26.70	
7	3720.49	23.00	112.52	3695.49	-80.01	192.96	2.50	0.00	208.89	
8	4873.75	23.00	112.52	4757.07	-252.60	609.21	0.00	0.00	659.50	
9	6407.08	0.00	112.52	6249.55	-368.90	889.70	1.50	180.00	963.15	
10	9837.53	0.00	112.52	9680.00	-368.90	889.70	0.00	0.00	963.15	PBHL

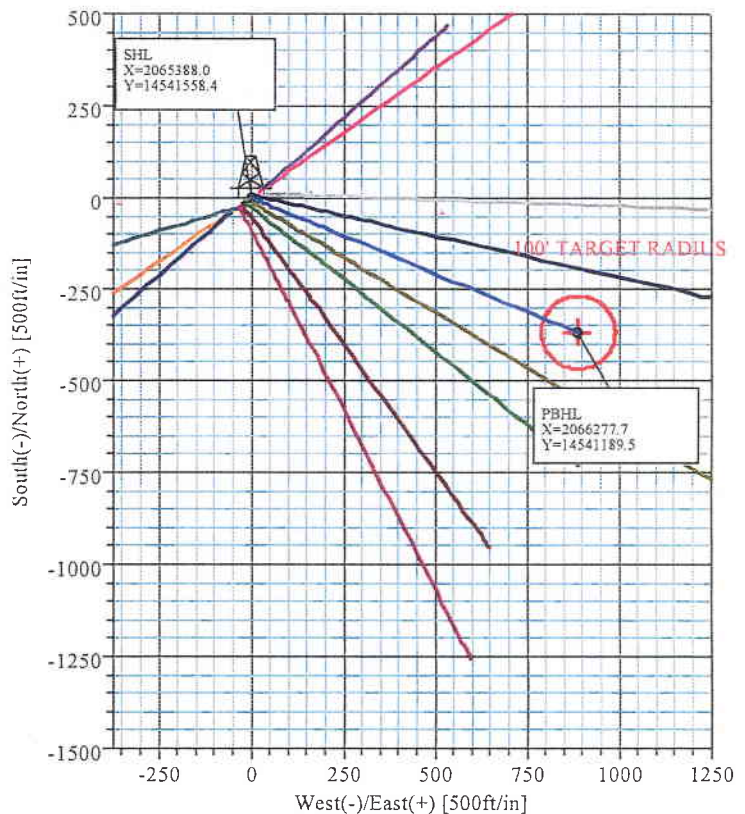
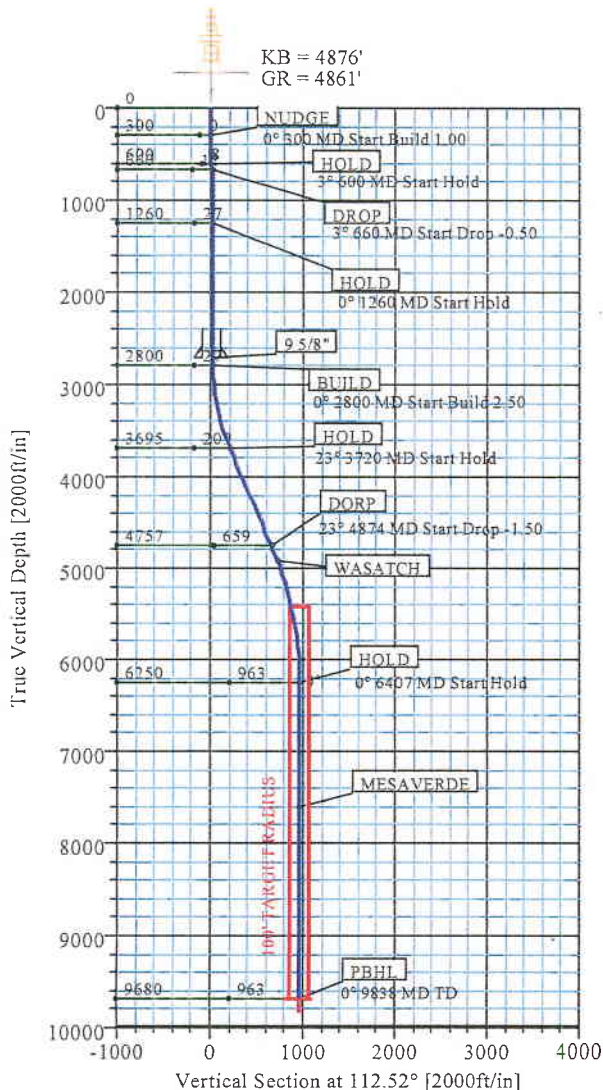
Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
1801BS	0.00	0.00	14541558.40	2065388.00	40°01'57.571N	109°28'54.728W	N/A

No.	TVD	MD	Name	Size
1	2700.00	2700.49	9 5/8"	9.62

No.	TVDPath	MDPath	Formation
1	4927.00	5056.57	WASATCH
2	7610.00	7767.53	MESAVERDE

FIELD DETAILS
 UTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)
 Geodetic System: Universal Transverse Mercator (USfeet)
 Ellipsoid: NAD27 (Clarke 1866)
 Zone: UTM Zone 12, North 114W to 108W
 Magnetic Model: bggm2006
 System Datum: Mean Sea Level
 Local North: Grid North

1813S (1)
1811S (1)
1813S (1)
18N2AS (1)
18N2CS (1)
18N2S (1)
18O1CS (1)
18O3AS (1)
18O3DS (1)
18P2S (1)
18P3S (1)
Plan #2 1801BS



Weatherford Drilling Services

DIRECTIONAL PLAN REPORT

Company: Anadarko-Kerr-McGee	Date: 10/4/2007	Time: 10:08:25	Page: 1
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference: Site: NBU 922-1801BS PAD IJNOP		
Site: NBU 922-1801BS PAD IJNOP	Vertical (TVD) Reference: SITE 4876.0		
Well: 1801BS	Section (VS) Reference: Well (0.00N,0.00E,112.52Azi)		
Wellpath: 1	Survey Calculation Method: Minimum Curvature	Db: Sybase	

Plan: Plan #2 1801BS	Date Composed: 10/4/2007
Principal: Yes	Version: 1
	Tied-to: From Surface

Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)

Map System: Universal Transverse Mercator (USfeet)	Map Zone: UTM Zone 12, North 114W to 108W
Geo Datum: NAD27 (Clarke 1866)	Coordinate System: Site Centre
Sys Datum: Mean Sea Level	Geomagnetic Model: bggm2006

Site: NBU 922-1801BS PAD IJNOP

1430 FSL, 2295 FEL - SEC18 T9S R22E

Site Position:	Northing: 14541558.40 ft	Latitude: 40 1 57.571 N
From: Map	Easting: 2065388.00 ft	Longitude: 109 28 54.728 W
Position Uncertainty: 0.00 ft		North Reference: Grid
Ground Level: 4861.00 ft		Grid Convergence: 0.98 deg

Well: 1801BS

Slot Name:

Well Position:	+N/-S 0.00 ft	Northing: 14541558.40 ft	Latitude: 40 1 57.571 N
	+E/-W 0.00 ft	Easting: 2065388.00 ft	Longitude: 109 28 54.728 W
Position Uncertainty: 0.00 ft			

Wellpath: 1

Current Datum: SITE	Height 4876.00 ft	Drilled From: Surface
Magnetic Data: 9/21/2007		Tie-on Depth: 0.00 ft
Field Strength: 52767 nT		Above System Datum: Mean Sea Level
Vertical Section: Depth From (TVD)	+N/-S	Declination: 11.57 deg
ft	ft	Mag Dip Angle: 66.02 deg
		+E/-W
		ft
		Direction
		deg
0.00	0.00	0.00 112.52

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	112.52	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
300.00	0.00	112.52	300.00	0.00	0.00	0.00	0.00	0.00	112.52	
600.00	3.00	112.52	599.86	-3.01	7.25	1.00	1.00	0.00	112.52	
660.00	3.00	112.52	659.78	-4.21	10.15	0.00	0.00	0.00	0.00	
1260.00	0.00	112.52	1259.51	-10.23	24.66	0.50	-0.50	0.00	180.00	
2800.49	0.00	112.52	2800.00	-10.23	24.66	0.00	0.00	0.00	112.52	
3720.49	23.00	112.52	3695.49	-80.01	192.96	2.50	2.50	0.00	0.00	
4873.75	23.00	112.52	4757.07	-252.60	609.21	0.00	0.00	0.00	0.00	
6407.08	0.00	112.52	6249.55	-368.90	889.70	1.50	-1.50	0.00	180.00	
9837.53	0.00	112.52	9680.00	-368.90	889.70	0.00	0.00	0.00	0.00	PBHL

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
300.00	0.00	112.52	300.00	0.00	0.00	0.00	0.00	14541558.40	2065388.00	NUDGE
400.00	1.00	112.52	399.99	-0.33	0.81	0.87	1.00	14541558.07	2065388.81	
500.00	2.00	112.52	499.96	-1.34	3.22	3.49	1.00	14541557.06	2065391.22	
600.00	3.00	112.52	599.86	-3.01	7.25	7.85	1.00	14541555.39	2065395.25	HOLD
660.00	3.00	112.52	659.78	-4.21	10.15	10.99	0.00	14541554.19	2065398.15	DROP
700.00	2.80	112.52	699.73	-4.99	12.02	13.02	0.50	14541553.41	2065400.02	
800.00	2.30	112.52	799.63	-6.69	16.13	17.47	0.50	14541551.71	2065404.13	
900.00	1.80	112.52	899.57	-8.06	19.44	21.04	0.50	14541550.34	2065407.44	
1000.00	1.30	112.52	999.53	-9.10	21.94	23.75	0.50	14541549.30	2065409.94	
1100.00	0.80	112.52	1099.51	-9.80	23.63	25.58	0.50	14541548.60	2065411.63	
1200.00	0.30	112.52	1199.51	-10.17	24.52	26.54	0.50	14541548.23	2065412.52	
1260.00	0.00	112.52	1259.51	-10.23	24.66	26.70	0.50	14541548.17	2065412.66	HOLD

Weatherford Drilling Services

DIRECTIONAL PLAN REPORT



Weatherford

Company: Anadarko-Kerr-McGee	Date: 10/4/2007	Time: 10:08:25	Page: 2
Field: UINTAH COUNTY, UTAH (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU 922-1801BS PAD IJNOP	
Site: NBU 922-1801BS PAD IJNOP	Vertical (TVD) Reference:	SITE 4876.0	
Well: 1801BS	Section (VS) Reference:	Well (0.00N,0.00E,112.52Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Survey

MD ft	Incl deg	Azim deg	TVD ft	N/S ft	E/W ft	VS ft	DLS deg/100ft	MapN ft	MapE ft	Comment
1300.00	0.00	112.52	1299.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
1400.00	0.00	112.52	1399.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
1500.00	0.00	112.52	1499.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
1600.00	0.00	112.52	1599.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
1700.00	0.00	112.52	1699.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
1800.00	0.00	112.52	1799.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
1900.00	0.00	112.52	1899.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
2000.00	0.00	112.52	1999.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
2100.00	0.00	112.52	2099.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
2200.00	0.00	112.52	2199.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
2300.00	0.00	112.52	2299.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
2400.00	0.00	112.52	2399.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
2500.00	0.00	112.52	2499.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
2600.00	0.00	112.52	2599.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
2700.00	0.00	112.52	2699.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
2700.49	0.00	112.52	2700.00	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	9 5/8"
2800.00	0.00	112.52	2799.51	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	
2800.49	0.00	112.52	2800.00	-10.23	24.66	26.70	0.00	14541548.17	2065412.66	BUILD
2900.00	2.49	112.52	2899.48	-11.05	26.66	28.86	2.50	14541547.35	2065414.66	
3000.00	4.99	112.52	2999.25	-13.55	32.68	35.37	2.50	14541544.85	2065420.68	
3100.00	7.49	112.52	3098.65	-17.71	42.71	46.24	2.50	14541540.69	2065430.71	
3200.00	9.99	112.52	3197.49	-23.53	56.74	61.43	2.50	14541534.87	2065444.74	
3300.00	12.49	112.52	3295.56	-30.99	74.75	80.92	2.50	14541527.41	2065462.75	
3400.00	14.99	112.52	3392.69	-40.09	96.68	104.66	2.50	14541518.31	2065484.68	
3500.00	17.49	112.52	3488.70	-50.80	122.51	132.62	2.50	14541507.60	2065510.51	
3600.00	19.99	112.52	3583.39	-63.10	152.18	164.74	2.50	14541495.30	2065540.18	
3700.00	22.49	112.52	3676.59	-76.97	185.64	200.96	2.50	14541481.43	2065573.64	
3720.49	23.00	112.52	3695.49	-80.01	192.96	208.89	2.50	14541478.39	2065580.96	HOLD
3800.00	23.00	112.52	3768.68	-91.91	221.65	239.95	0.00	14541466.49	2065609.65	
3900.00	23.00	112.52	3860.73	-106.87	257.75	279.02	0.00	14541451.53	2065645.75	
4000.00	23.00	112.52	3952.78	-121.84	293.84	318.10	0.00	14541436.56	2065681.84	
4100.00	23.00	112.52	4044.83	-136.80	329.93	357.17	0.00	14541421.60	2065717.93	
4200.00	23.00	112.52	4136.88	-151.77	366.03	396.24	0.00	14541406.63	2065754.03	
4300.00	23.00	112.52	4228.93	-166.73	402.12	435.32	0.00	14541391.67	2065790.12	
4400.00	23.00	112.52	4320.98	-181.70	438.21	474.39	0.00	14541376.70	2065826.21	
4500.00	23.00	112.52	4413.03	-196.66	474.31	513.46	0.00	14541361.74	2065862.31	
4600.00	23.00	112.52	4505.08	-211.63	510.40	552.54	0.00	14541346.77	2065898.40	
4700.00	23.00	112.52	4597.13	-226.60	546.49	591.61	0.00	14541331.80	2065934.49	
4800.00	23.00	112.52	4689.18	-241.56	582.59	630.68	0.00	14541316.84	2065970.59	
4873.75	23.00	112.52	4757.07	-252.60	609.21	659.50	0.00	14541305.80	2065997.21	DORP
4900.00	22.61	112.52	4781.27	-256.49	618.61	669.67	1.50	14541301.91	2066006.61	
5000.00	21.11	112.52	4874.08	-270.75	652.99	706.90	1.50	14541287.65	2066040.99	
5056.57	20.26	112.52	4927.00	-278.41	671.45	726.88	1.50	14541279.99	2066059.45	WASATCH
5100.00	19.61	112.52	4967.83	-284.08	685.13	741.68	1.50	14541274.32	2066073.13	
5200.00	18.11	112.52	5062.46	-296.45	714.98	774.00	1.50	14541261.95	2066102.98	
5300.00	16.61	112.52	5157.90	-307.88	742.53	803.83	1.50	14541250.52	2066130.53	
5400.00	15.11	112.52	5254.09	-318.34	767.77	831.15	1.50	14541240.06	2066155.77	
5500.00	13.61	112.52	5350.97	-327.84	790.68	855.95	1.50	14541230.56	2066178.68	
5600.00	12.11	112.52	5448.46	-336.36	811.23	878.20	1.50	14541222.04	2066199.23	
5700.00	10.61	112.52	5546.50	-343.91	829.42	897.89	1.50	14541214.49	2066217.42	
5800.00	9.11	112.52	5645.02	-350.46	845.23	915.01	1.50	14541207.94	2066233.23	
5900.00	7.61	112.52	5743.96	-356.03	858.65	929.54	1.50	14541202.37	2066246.65	
6000.00	6.11	112.52	5843.24	-360.60	869.68	941.48	1.50	14541197.80	2066257.68	



Weatherford

Survey

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec	<--- Longitude ---> Deg Min Sec
PBHL			9680.00	-368.90	889.70	14541189.50	2066277.70	40 1 53.775 N	109 28 43.371 W
-Circle (Radius: 100) -Plan hit target									

Weatherford Drilling Services

DIRECTIONAL PLAN REPORT



Weatherford

Company: Anadarko-Kerr-McGee	Date: 10/4/2007	Time: 10:08:25	Page: 4
Field: Uintah County, Utah (UTM Zone 12N-NAD 27)	Co-ordinate(NE) Reference:	Site: NBU 922-1801BS PAD IJNOP	
Site: NBU 922-1801BS PAD IJNOP	Vertical (TVD) Reference:	Site: 4876.0	
Well: 1801BS	Section (VS) Reference:	Well: (0.00N,0.00E,112.52Azi)	
Wellpath: 1	Survey Calculation Method:	Minimum Curvature	Db: Sybase

Casing Points

MD ft	TVD ft	Diameter in	Hole Size in	Name
2700.49	2700.00	9.62	12.25	9 5/8"

Annotation

MD ft	TVD ft	
300.00	300.00	NUDGE
600.00	599.86	HOLD
660.00	659.78	DROP
1260.00	1259.51	HOLD
2800.49	2800.00	BUILD
3720.49	3695.49	HOLD
4873.75	4757.07	DORP
6407.08	6249.55	HOLD
9837.53	9680.00	PBHL

Formations

MD ft	TVD ft	Formations	Lithology	Dip Angle deg	Dip Direction deg
5056.57	4927.00	WASATCH		0.00	0.00
7767.53	7610.00	MESAVERDE		0.00	0.00

**Weatherford®****Weatherford Drilling Services**

GeoDec v4.1.130

Report Date: September 24, 2007
Job Number: _____
Customer: ANADARKO-KERR McGEE
Well Name: NBU 922-1801BS
API Number: _____
Rig Name: _____
Location: UNITAH COUNTY, UTAH
Block: _____
Engineer: R JOYNER

Universal Transverse Mercator	Geodetic Latitude / Longitude
System: Zone 12N (114 W to 108 W)	System: Latitude / Longitude
Projection: Transverse Mercator/Gauss Kruger	Projection: Geodetic Latitude and Longitude
Datum: NAD 1927 (NADCON CONUS)	Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866	Ellipsoid: Clarke 1866
North/South 14541558.400 USFT	Latitude 40.0326586 DEG
East/West 2065388.000 USFT	Longitude -109.4818688 DEG
Grid Convergence: .97669210°	
Total Correction: +10.5911°	

Geodetic Location WGS84	Elevation = 1482.0 Meters
Latitude = 40.03266° N	40° 1 min 57.571 sec
Longitude = 109.48187° W	109° 28 min 54.728 sec

Magnetic Declination = +11.5680°	[True North Offset]
Local Gravity = .9995 g	
Local Field Strength= 52727 nT	Mag Vector X = 20994 nT
Dip = 66.0200°	Mag Vector Y = 4297 nT
Model File: bggm2006	Mag Vector Z = 48176 nT
Spud Date: Sep 24, 2007	Mag Vector H = 21430 nT

Signed: _____

Date: _____

**NBU 922-1801BS
NW/SE SEC. 18, T9S, R22E
UINTAH COUNTY, UTAH
UTU-0461**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

Approximately 0.25 +/- miles of access road is proposed. Please refer to the attached Topo Map B.

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

Approximately 1633' +/- of 8" steel pipeline is proposed from the location to an existing pipeline. Refer to the attached Topo Map D.

Approximately 672' +/- of 4" steel pipeline needs to be re-route around the location. Refer to the attached Topo Map D

Approximately 636' +/- of 4" steel pipeline needs to be re-route around the location. Refer to the attached Topo Map D.

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

5. Location and Type of Water Supply:

Please see the Natural Buttes SOP.

6. Source of Construction Materials:

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Culverts will be installed where needed.

A run off diversion for drainage will be constructed where needed.

The reserve pit will be lined. When the reserve pit is closed the pit liner will be buried below plow depth.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

11. **Surface Ownership:**

The well pad and access road are located on lands owned by:

Ute Indian Tribe
P.O. Box 70
Fort Duchesne, Utah 84026
(435) 722-5141

12. **Other Information:**

A Class III Archaeological Survey Report has been conducted for this location and submitted to the Ute Indian Tribe prior to the on-site inspection.

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within boundaries of the unit.

13. Lessee's or Operator's Representative & Certification:

Sheila Upchego
Senior Land Admin Specialist
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7024

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by Bureau of Indian Affairs Nationwide Bond #RLB0005239, Bureau of Land Management Nationwide Bond #WYB000291 and State of Utah Bond #RLB0005237.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Sheila Upchego

11/2/2007
Date

Kerr-McGee Oil & Gas Onshore LP
NBU #922-18J3S, J1S, 13S, P2S, O1BS, P3S, O1CS,
O3AS, O3DS, N2S, N2AS, N2CS
SECTION 18, T9S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH ALONG U.S. HIGHWAY 40 APPROXIMATELY 14.0 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 17.0 MILES TO OURAY, UTAH; PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 0.3 MILES ON THE SEEP RIDGE ROAD TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN LEFT AND PROCEED IN AN EASTERLY DIRECTION APPROXIMATELY 12.3 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTH; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE SOUTHWEST; PROCEED IN A SOUTHWESTERLY DIRECTION APPROXIMATELY 1.8 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHWEST; TURN RIGHT AND PROCEED IN A NORTHWESTERLY DIRECTION APPROXIMATELY 0.25 MILES TO THE BEGINNING OF THE PROPOSED ACCESS TO THE NORTHEAST; FOLLOW ROAD FLAGS IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.25 MILES TO THE PROPOSED LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH TO THE PROPOSED WELL LOCATION IS APPROXIMATELY 47.6 MILES.

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18J3S, J1S, I3S, P2S, O1BS, P3S, O1CS, O3AS, O3DS, N2S, N2AS, N2CS

LOCATED IN UINTAH COUNTY, UTAH
SECTION 18, T9S, R22E, S.L.B.&M.

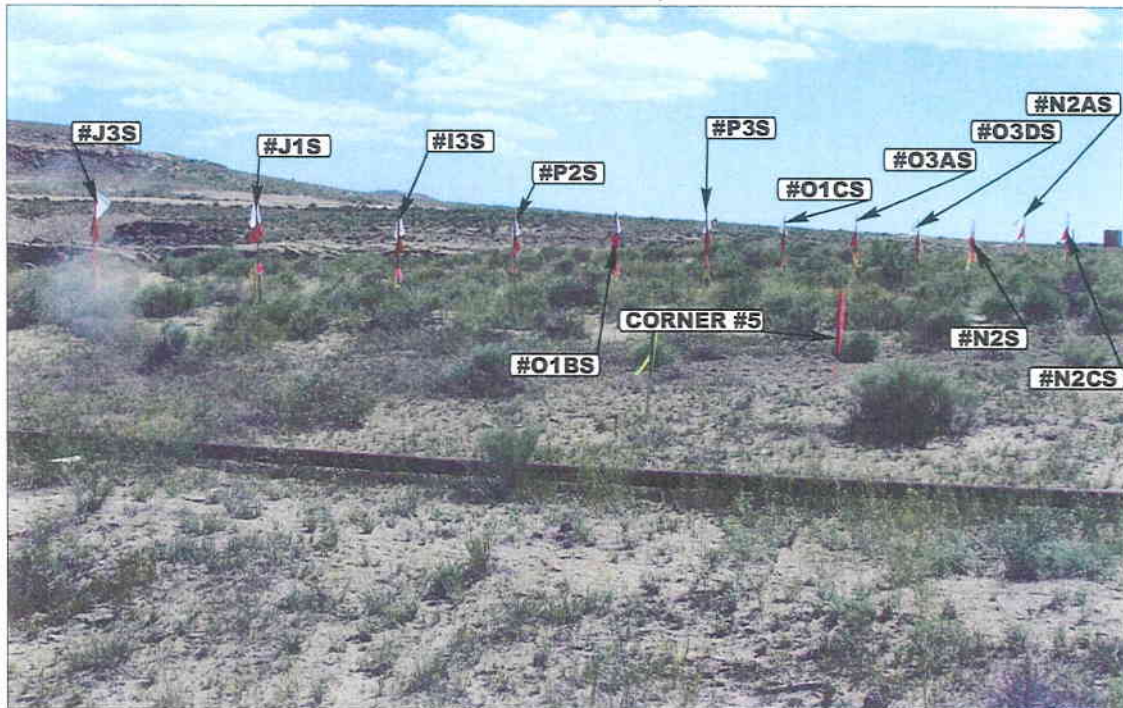


PHOTO: VIEW FROM CORNER #5 TO LOCATION STAKES

CAMERA ANGLE: SOUTHEASTERLY



PHOTO: VIEW FROM BEGINNING OF PROPOSED ACCESS

CAMERA ANGLE: NORTHEASTERLY



- Since 1964 -

UELS Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

LOCATION PHOTOS

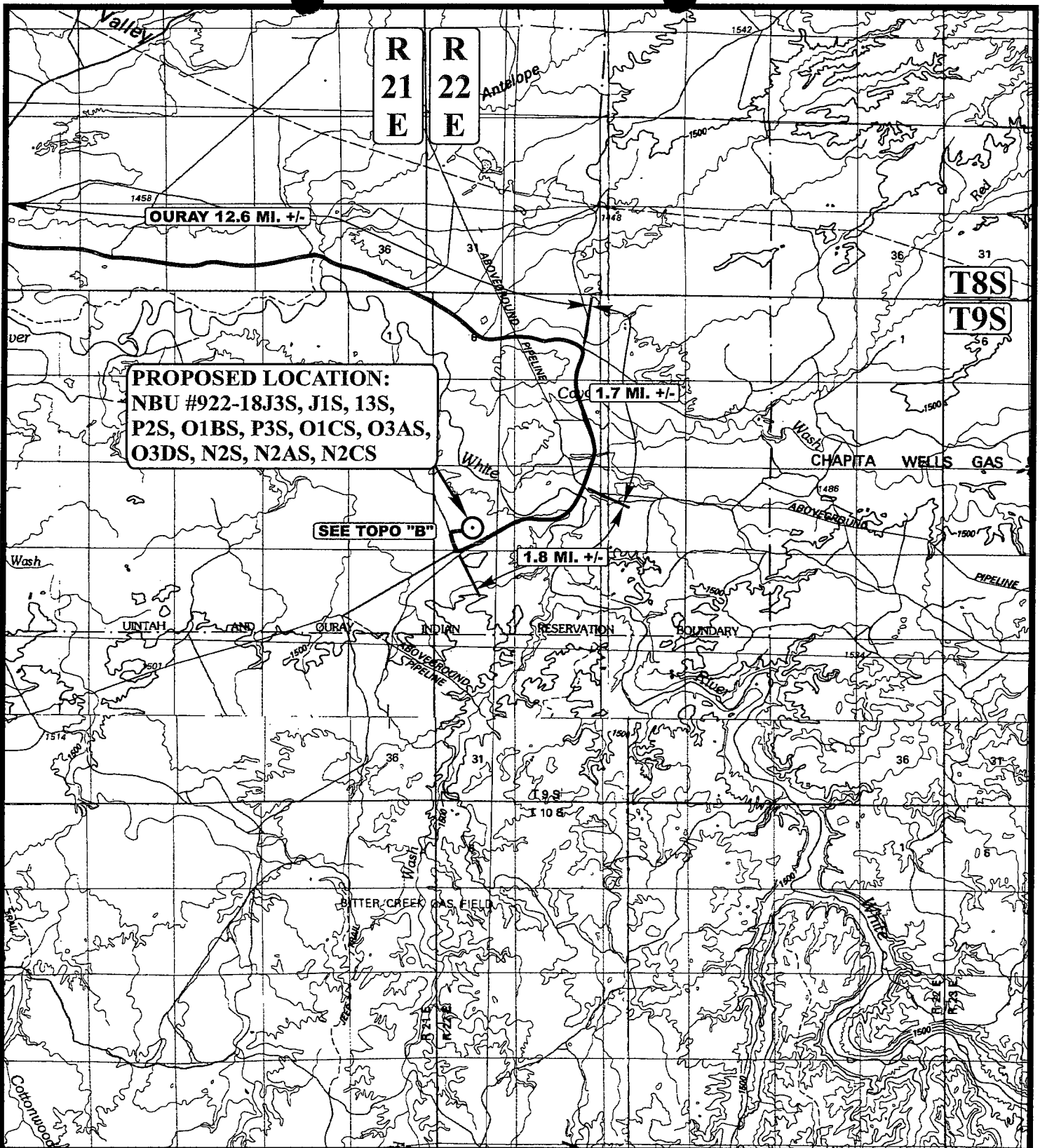
05 16 07
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K.

DRAWN BY: C.P.

REVISED: 00-00-00



LEGEND:

○ PROPOSED LOCATION

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18J3S, J1S, 13S, P2S, O1BS, P3S, O1CS,
O3AS, O3DS, N2S, N2AS, N2CS
SECTION 18, T9S, R22E, S.L.B.&M.
S 1/2



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

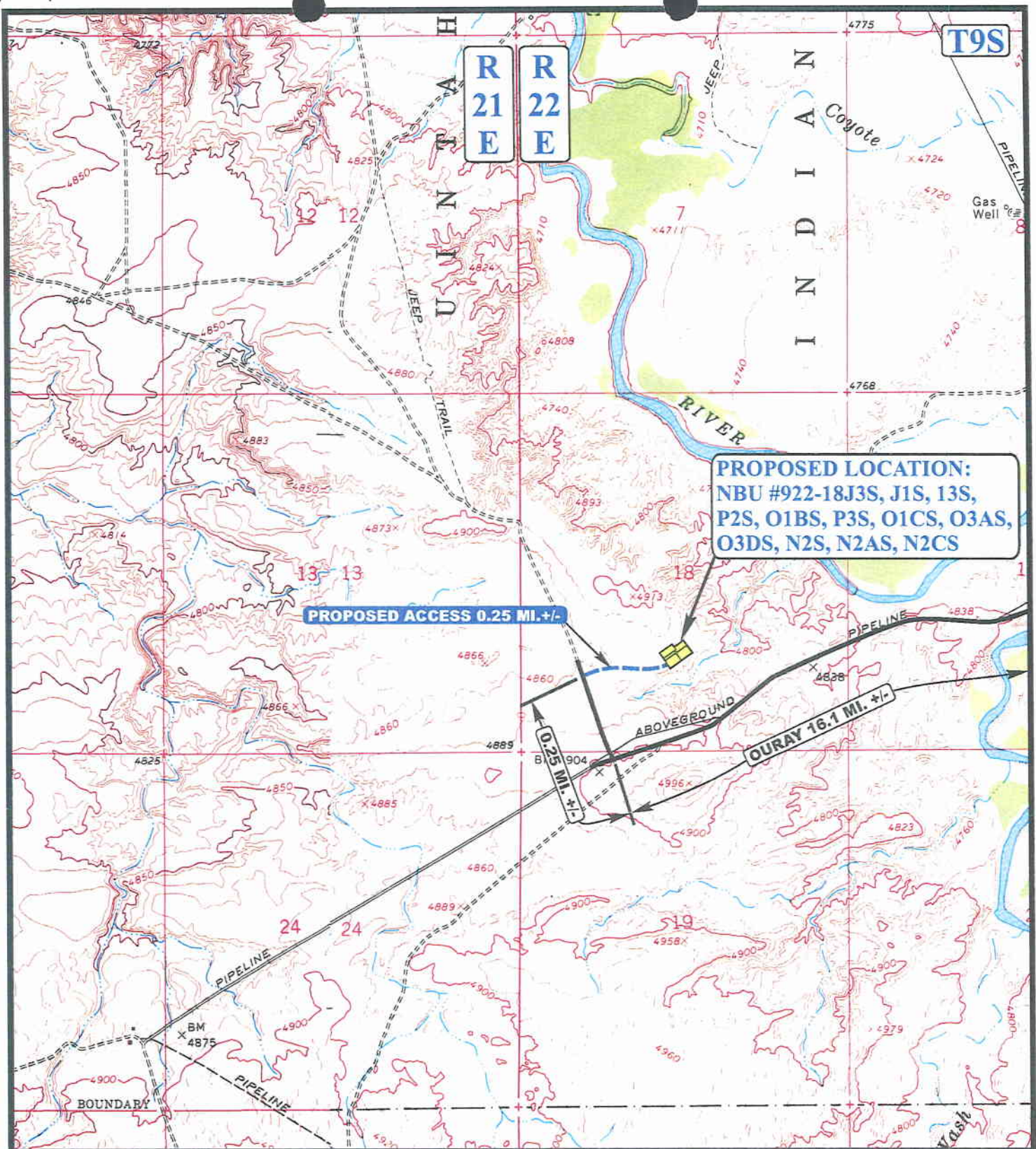


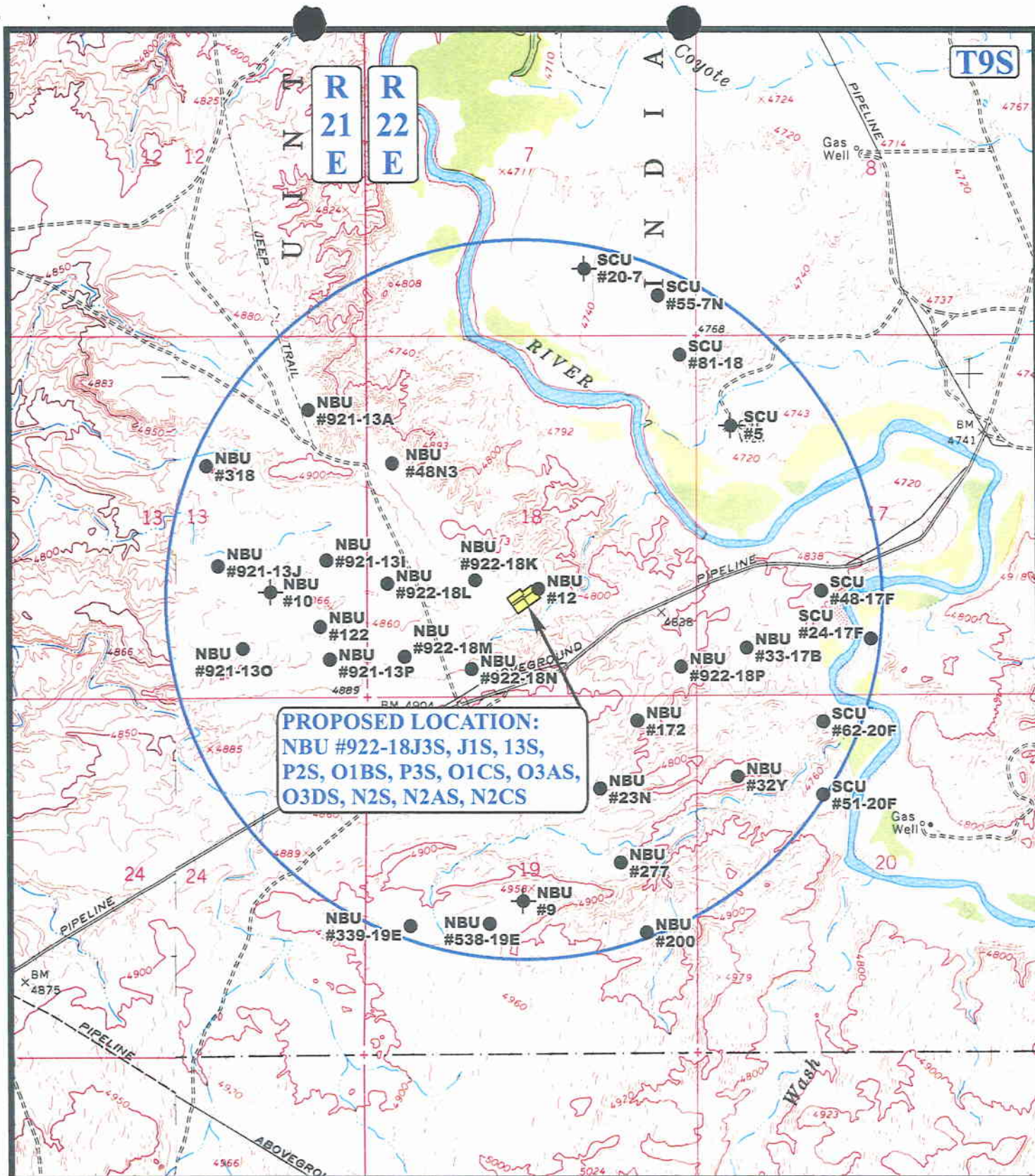
TOPOGRAPHIC
MAP

05 16 07
MONTH DAY YEAR

SCALE: 1:100,000 DRAWN BY: C.P. REVISED: 00-00-00







LEGEND:

- | | |
|-------------------|-------------------------|
| ○ DISPOSAL WELLS | ○ WATER WELLS |
| ● PRODUCING WELLS | ● ABANDONED WELLS |
| ● SHUT IN WELLS | ● TEMPORARILY ABANDONED |

Kerr-McGee Oil & Gas Onshore LP

NBU #922-18J3S, J1S, 13S, P2S, O1BS, P3S, O1CS,
 O3AS, O3DS, N2S, N2AS, N2CS
 SECTION 18, T9S, R22E, S.L.B.&M.
 S 1/2



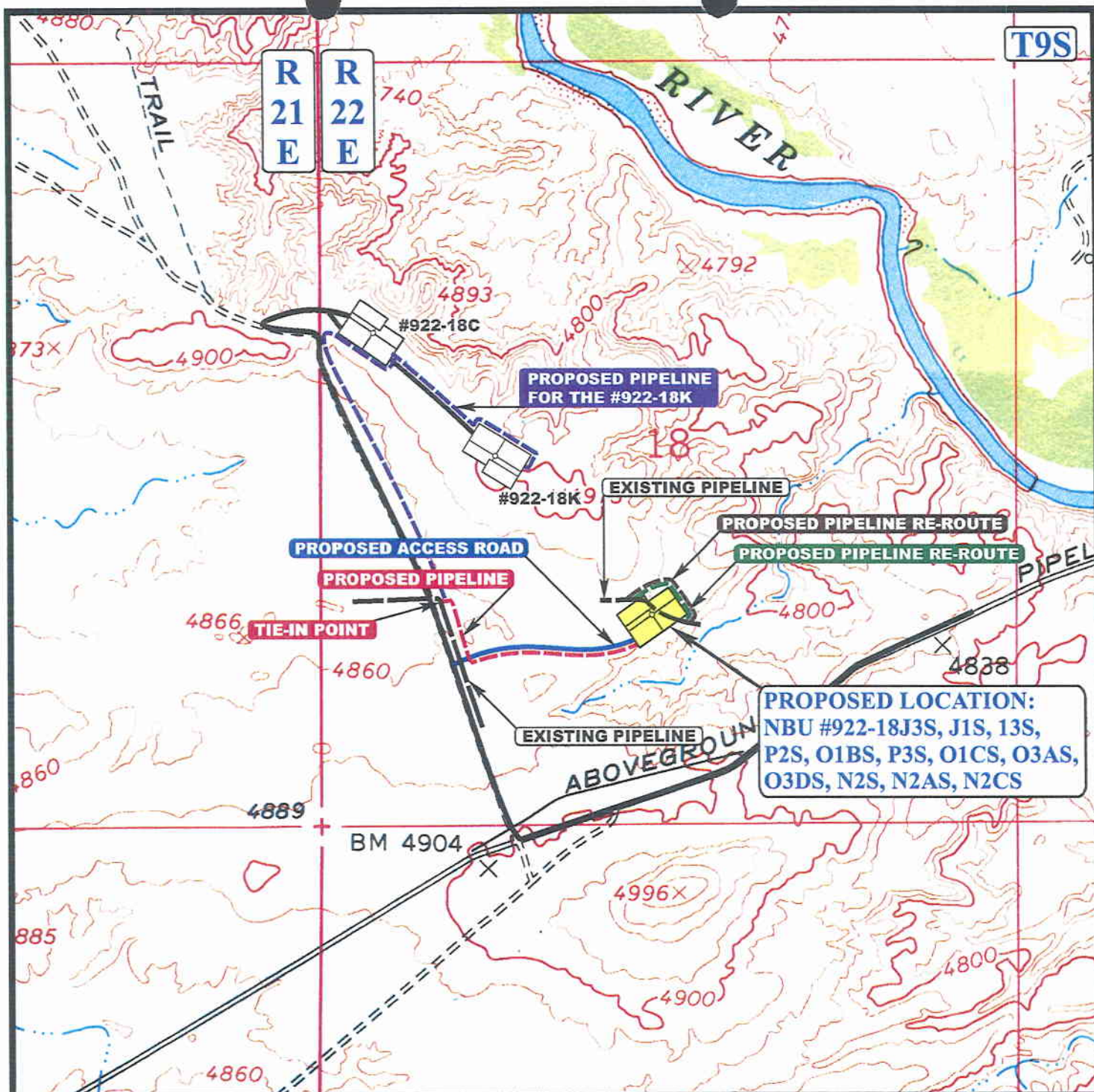
Utah Engineering & Land Surveying
 85 South 200 East Vernal, Utah 84078
 (435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
 MAP**

05 16 07
 MONTH DAY YEAR

SCALE: 1" = 2000' DRAWN BY: C.P. REVISED: 00-00-00





APPROXIMATE TOTAL PIPELINE RE-ROUTE DISTANCE = 672' +/-

APPROXIMATE TOTAL PIPELINE RE-ROUTE DISTANCE = 636' +/-

APPROXIMATE TOTAL PIPELINE DISTANCE = 1,633' +/-

LEGEND:

- PROPOSED ACCESS ROAD
- EXISTING PIPELINE
- PROPOSED PIPELINE
- PROPOSED PIPELINE RE-ROUTE



Kerr-McGee Oil & Gas Onshore LP

NBU #922-18J3S, J1S, 13S, P2S, O1BS, P3S, O1CS,
O3AS, O3DS, N2S, N2AS, N2CS
SECTION 18, T9S, R22E, S.L.B.&M.
S 1/2



Uintah Engineering & Land Surveying
85 South 200 East Vernal, Utah 84078
(435) 789-1017 * FAX (435) 789-1813

**TOPOGRAPHIC
MAP**

05 16 07
MONTH DAY YEAR

SCALE: 1" = 1000' DRAWN BY: C.P. REVISED: 10-25-07



Kerr-McGee Oil & Gas Onshore LP

NBU #922-18J3S, J1S, I3S, P2S, O1BS, P3S, O1CS, O3AS, O3DS, N2S, N2AS, N2CS
PIPELINE ALIGNMENT

LOCATED IN UINTAH COUNTY, UTAH

SECTION 18, T9S, R22E, S.L.B.&M.



PHOTO: VIEW FROM TIE-IN POINT

CAMERA ANGLE: EASTERLY



PHOTO: VIEW OF PIPELINE ALIGNMENT

CAMERA ANGLE: EASTERLY



- Since 1964 -

U
E
L
S
Uintah Engineering & Land Surveying

85 South 200 East Vernal, Utah 84078
435-789-1017 uels@uelsinc.com

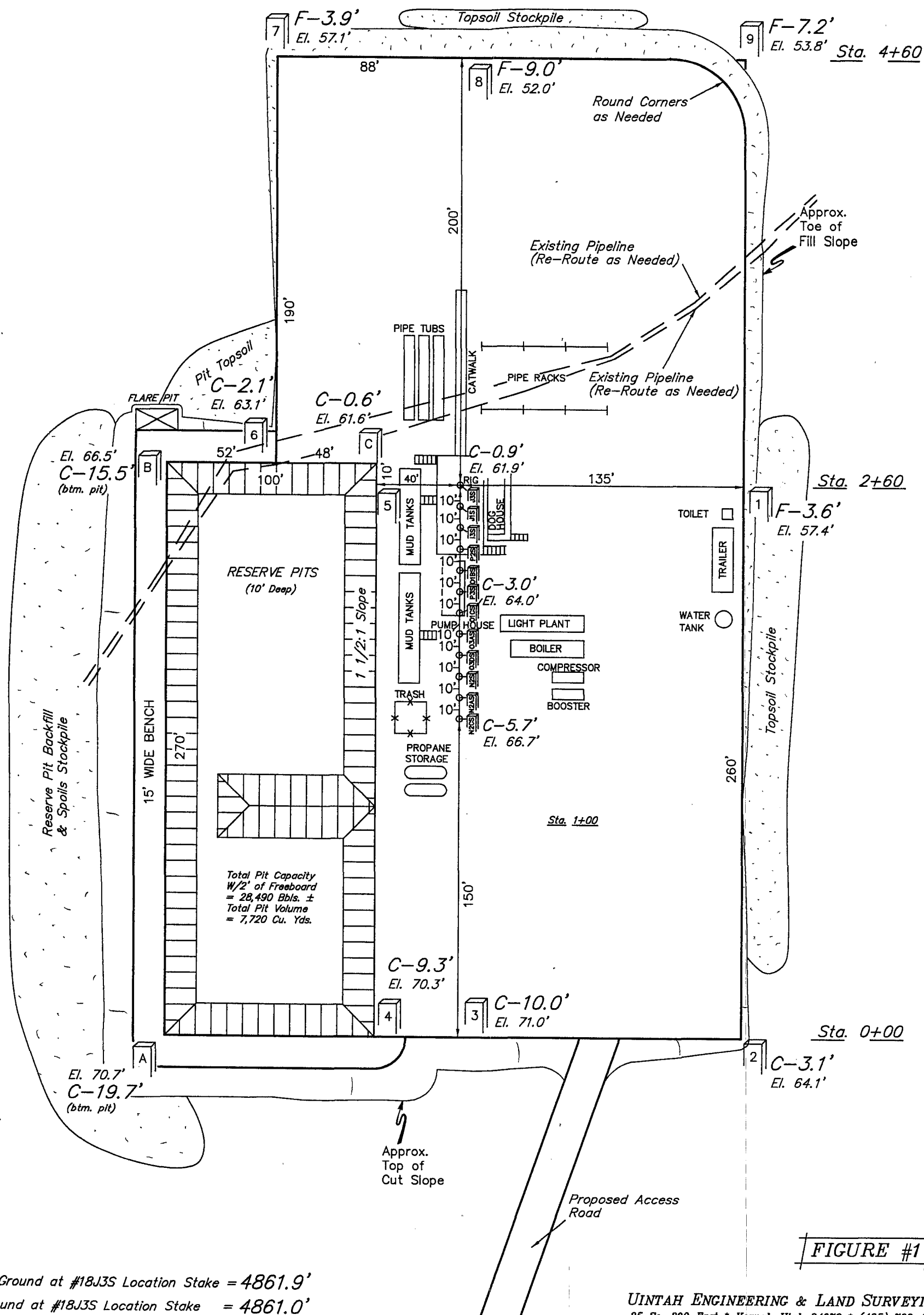
PIPELINE PHOTOS

05 16 07
MONTH DAY YEAR

PHOTO

TAKEN BY: L.K. | DRAWN BY: C.P. | REVISED: 00-00-00

LOCATION LAYOUT FOR



Elev. Ungraded Ground at #18J3S Location Stake = 4861.9'
Elev. Graded Ground at #18J3S Location Stake = 4861.0'

UINTAH ENGINEERING & LAND SURVEYING
85 So. 200 East * Vernal, Utah 84078 * (435) 789-1017

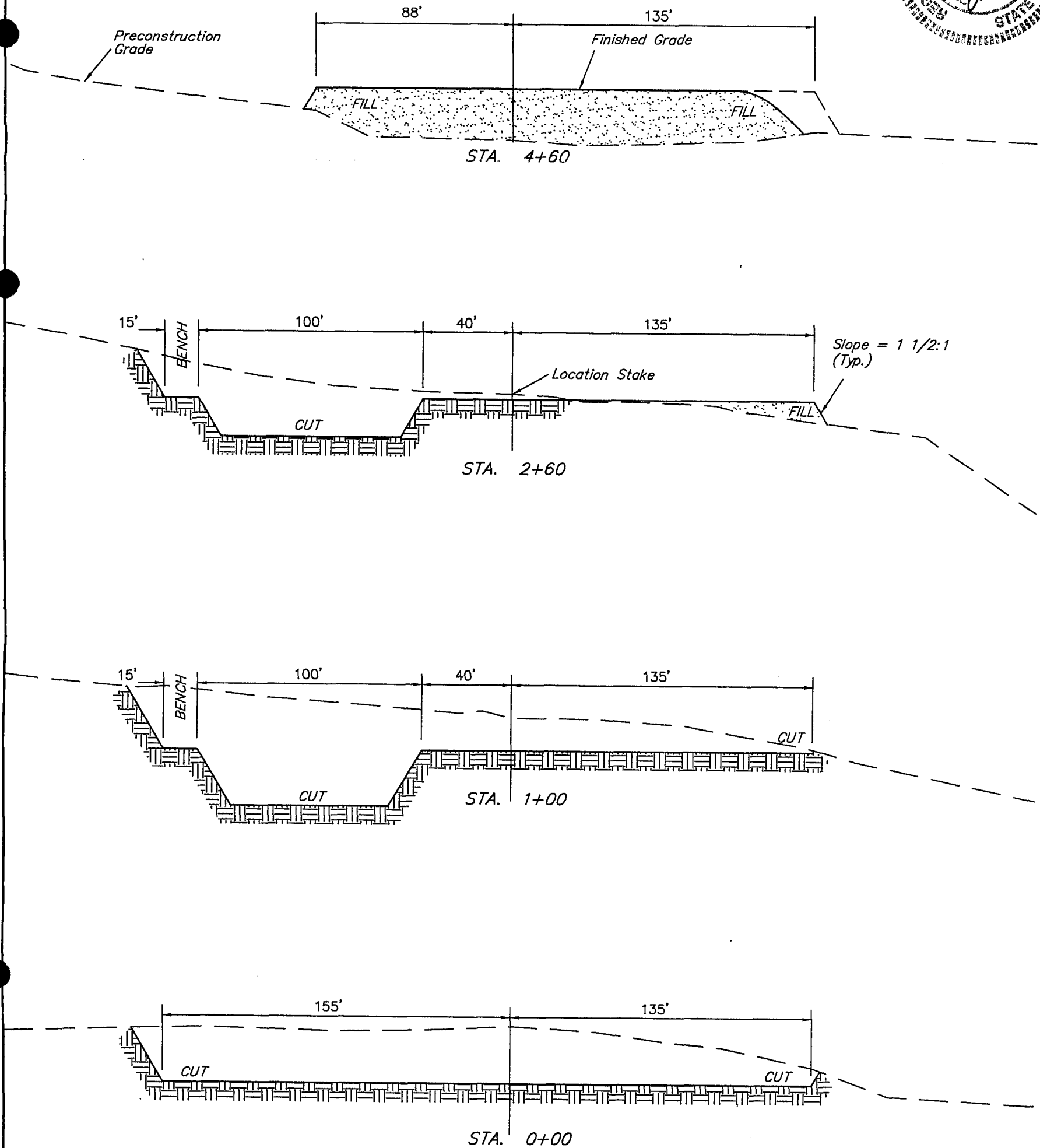
Kerr-McGee Oil & Gas Onshore LP

TYPICAL CROSS SECTIONS FOR

NBU #922-18J3S, J1S, I3S, P2S, O1BS, P3S, O1CS
O3AS, O3DS, N2S, N2AS, N2CS
SECTION 18, T9S, R22E, S.L.B.&M.
S 1/2

FIGURE #2

1" = 20'
X-Section
Scale
1" = 50'
DATE: 05-16-07
Drawn By: C.H.
REV: 08-09-07



NOTE:
Topsoil should not be
Stripped Below Finished
Grade on Substructure Area.

APPROXIMATE YARDAGES

CUT
(12") Topsoil Stripping = 5,320 Cu. Yds.
Remaining Location = 22,710 Cu. Yds.
TOTAL CUT = 28,030 CU.YDS.
FILL = 12,740 CU.YDS.

* NOTE:
FILL QUANTITY INCLUDES
5% FOR COMPACTION

EXCESS MATERIAL = 15,290 Cu. Yds.
Topsoil & Pit Backfill = 9,180 Cu. Yds.
(1/2 Pit Vol.)
EXCESS UNBALANCE = 6,110 Cu. Yds.
(After Interim Rehabilitation)

Kerr-McGee Oil & Gas Onshore LP

LOCATION LAYOUT FOR

NBU #922-18J3S, J1S, I3S, P2S, O1BS, P3S, O1CS
O3AS, O3DS, N2S, N2AS, N2CS
SECTION 18, T9S, R22E, S.L.B.&M.

S 1/2

SCALE: 1" = 50'
DATE: 05-16-07
Drawn By: C.H.
REV: 08-09-07

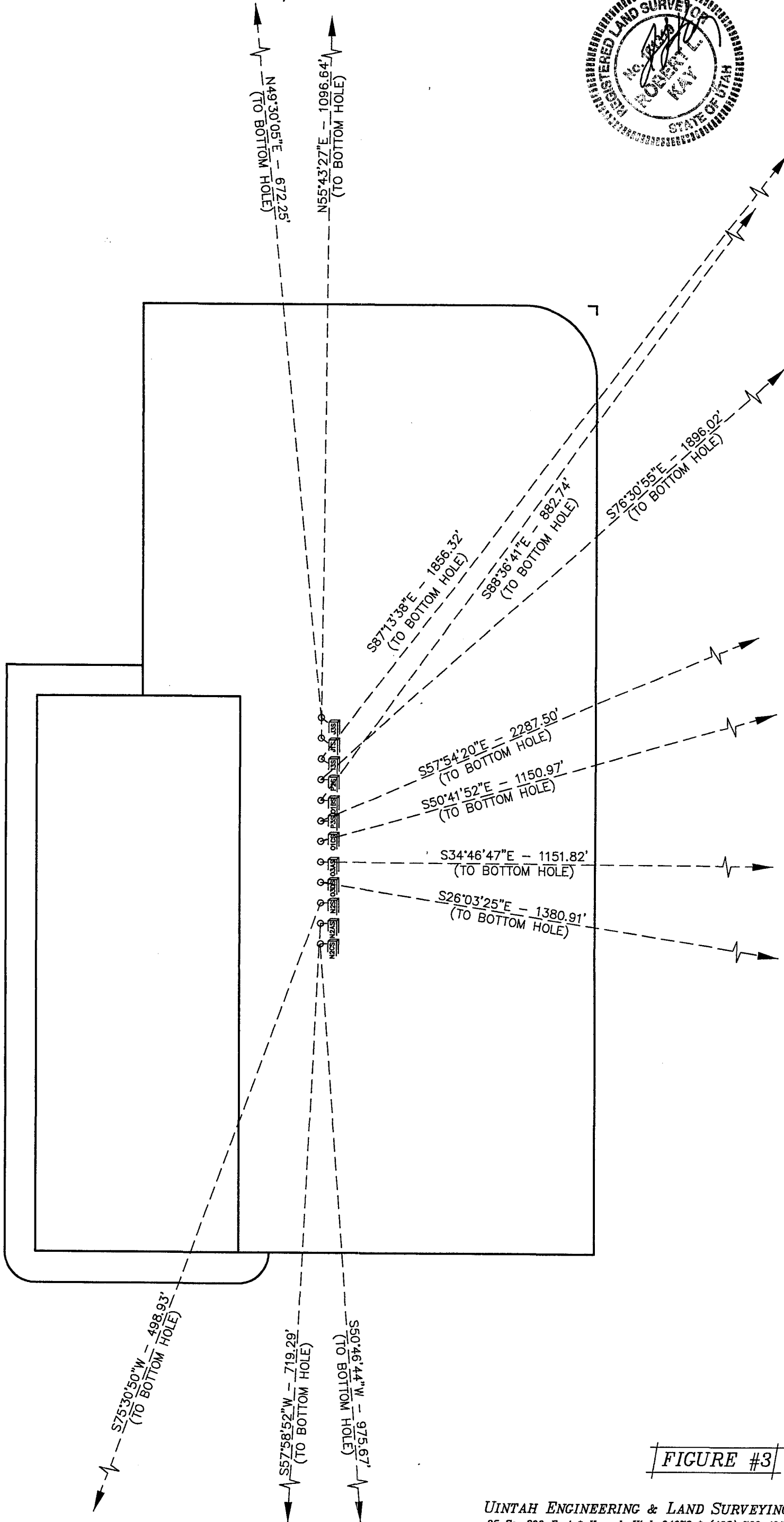


FIGURE #3

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 11/20/2007

API NO. ASSIGNED: 43-047-39835

WELL NAME: NBU 922-1801BS

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

PHONE NUMBER: 435-781-7024

CONTACT: SHEILA UPCHEGO

PROPOSED LOCATION:

NWSE 18 090S 220E

SURFACE: 1430 FSL 2596 FEL

BOTTOM: 1046 FSL 1714 FEL

COUNTY: Uintah

LATITUDE: 40.03268 LONGITUDE: -109.4819

UTM SURF EASTINGS: 629532 NORTHINGS: 4432278

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-0461

SURFACE OWNER: 2 - Indian

PROPOSED FORMATION: WSMVD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. RLB0005239)

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit
(No. 43-8496)

☒ RDCC Review (Y/N)
(Date:)

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

___ R649-2-3.

Unit: NATURAL BUTTES

___ R649-3-2. General

Siting: 460 From Qtr/Qtr & 920' Between Wells

___ R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 173-14

Eff Date: 12-1-1999

Siting: 400' W Ubdrg 3 uncomm. Tracts

☒ R649-3-11. Directional Drill

COMMENTS:

Sop, Separate file

STIPULATIONS:

1- Fed. Approval
2- Oil Shale

NATURAL BUTTES UNIT
CAUSE: 173-14 / 12/2-1999

CAUSE: 173-14 / 12/2-1999

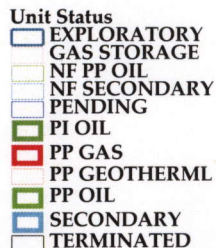
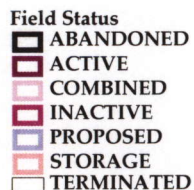


SEC: 18 T.9S R. 22E
















FIELD: NATURAL BUTTES (630)

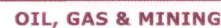
COUNTY: UINTAH

CAUSE: 173-14 / 12/2-1999



Wells Status

-  GAS INJECTION
-  GAS STORAGE
-  LOCATION ABANDONED
-  NEW LOCATION
-  PLUGGED & ABANDONED
-  PRODUCING GAS
-  PRODUCING OIL
-  SHUT-IN GAS
-  SHUT-IN OIL
-  TEMP. ABANDONED
-  TEST WELL
-  WATER INJECTION
-  WATER SUPPLY
-  WATER DISPOSAL
-  DRILLING



PREPARED BY: DIANA MASON
DATE: 29-NOVEMBER-2007

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

November 30, 2007

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2007 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2007 within the Natural Buttes Unit, Uintah County, Utah.

API#	WELL NAME	LOCATION
(Proposed PZ Wasatch/MesaVerde)		
43-047-39821	NBU 922-18F4CS Sec 18 T09S R22E 2529 FSL 1248 FWL	BHL Sec 18 T09S R22E 2406 FNL 1895 FWL
43-047-39822	NBU 922-18K2DS Sec 18 T09S R22E 2508 FSL 1282 FWL	BHL Sec 18 T09S R22E 2099 FSL 1548 FWL
43-047-39823	NBU 922-18E3CS Sec 18 T09S R22E 2540 FSL 1231 FWL	BHL Sec 18 T09S R22E 2632 FSL 0136 FWL
43-047-39824	NBU 922-18K1BS Sec 18 T09S R22E 2524 FSL 1256 FWL	BHL Sec 18 T09S R22E 2602 FSL 1821 FWL
43-047-39825	NBU 922-18M3S Sec 18 T09S R22E 1688 FSL 0334 FWL	BHL Sec 18 T09S R22E 0203 FSL 0571 FWL
43-047-39826	NBU 922-18L3S Sec 18 T09S R22E 1689 FSL 0274 FWL	BHL Sec 18 T09S R22E 1390 FSL 0214 FWL
43-047-39827	NBU 922-18L2CS Sec 18 T09S R22E 1687 FSL 0344 FWL	BHL Sec 18 T09S R22E 1994 FSL 0262 FWL

43-047-39828 NBU 922-18M2S Sec 18 T09S R22E 1689 FSL 0284 FWL
BHL Sec 18 T09S R22E 1075 FSL 0232 FWL

43-047-39829 NBU 922-18P3S Sec 18 T09S R22E 1424 FSL 2605 FEL
BHL Sec 18 T09S R22E 0203 FSL 0668 FEL

43-047-39830 NBU 922-18P2S Sec 18 T09S R22E 1436 FSL 2588 FEL
BHL Sec 18 T09S R22E 0988 FSL 0745 FEL

43-047-39831 NBU 922-18N2S Sec 18 T09S R22E 1402 FSL 2637 FEL
BHL Sec 18 T09S R22E 1278 FSL 1753 FWL

43-047-39832 NBU 922-18O3DS Sec 18 T09S R22E 1407 FSL 2629 FEL
BHL Sec 18 T09S R22E 0165 FSL 2024 FEL

43-047-39833 NBU 922-18O3AS Sec 18 T09S R22E 1413 FSL 2621 FEL
BHL Sec 18 T09S R22E 0465 FSL 1965 FEL

43-047-39834 NBU 922-18O1CS Sec 18 T09S R22E 1419 FSL 2613 FEL
BHL Sec 18 T09S R22E 0687 FSL 1723 FEL

43-047-39835 NBU 922-18O1BS Sec 18 T09S R22E 1430 FSL 2596 FEL
BHL Sec 18 T09S R22E 1046 FSL 1714 FEL

43-047-39836 NBU 922-18C4BS Sec 18 T09S R22E 1875 FNL 0362 FWL
BHL Sec 18 T09S R22E 0745 FNL 1878 FWL

43-047-39837 NBU 922-18E2S Sec 18 T09S R22E 1870 FNL 0354 FWL
BHL Sec 18 T09S R22E 1529 FNL 0503 FWL

43-047-39838 NBU 922-18F1CS Sec 18 T09S R22E 1892 FNL 0387 FWL
BHL Sec 18 T09S R22E 1724 FNL 1956 FWL

43-047-39839 NBU 922-18N2AS Sec 18 T09S R22E 1396 FSL 2228 FWL
BHL Sec 18 T09S R22E 1016 FSL 1617 FWL

43-047-39840 NBU 922-18L2BS Sec 18 T09S R22E 2513 FSL 1273 FWL
BHL Sec 18 T09S R22E 2344 FSL 0223 FWL

43-047-39841 NBU 922-18D3BS Sec 18 T09S R22E 1853 FNL 0329 FWL
BHL Sec 18 T09S R22E 0877 FNL 0256 FWL

43-047-39842 NBU 922-18J3S Sec 18 T09S R22E 1453 FSL 2564 FEL
BHL Sec 18 T09S R22E 1888 FSL 2052 FEL

43-047-39843 NBU 922-18J1S Sec 18 T09S R22E 1447 FSL 2572 FEL
BHL Sec 18 T09S R22E 2062 FSL 1665 FEL

43-047-39844 NBU 922-18I3S Sec 18 T09S R022E 1442 FSL 2580 FEL
BHL Sec 18 T09S R022E 1346 FSL 0726 FEL

43-047-39845 NBU 922-18C4CS Sec 18 T09S R22E 1881 FNL 0370 FWL
BHL Sec 18 T09S R22E 1075 FNL 1849 FWL

43-047-39846 NBU 922-18F1BS Sec 18 T09S R22E 1886 FNL 0379 FWL
BHL Sec 18 T09S R22E 1375 FNL 1868 FWL

43-047-39847 NBU 922-18N2CS Sec 18 T09S R22E 1390 FSL 2220 FWL
BHL Sec 18 T09S R22E 0775 FSL 1462 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard

bcc: File - Natural Buttes Unit
Division of Oil Gas and Mining
Central Files
Agr. Sec. Chron
Fluid Chron

MCoulthard:mc:11-30-07



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA
Division Director

December 3, 2007

Kerr McKee Oil and Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078

Re: NBU 922-1801BS Well, Surface Location 1430' FSL, 2596' FEL, NW SE, Sec. 18,
T. 9 South, R. 22 East, Bottom Location 1046' FSL, 1714' FEL, SW SE, Sec. 18,
T. 9 South, R. 22 East, Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-39835.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

Operator: Kerr McKee Oil and Gas Onshore LP
Well Name & Number NBU 922-1801BS
API Number: 43-047-39835
Lease: UTU-0461

Surface Location: NW SE Sec. 18 T. 9 South R. 22 East
Bottom Location: SW SE Sec. 18 T. 9 South R. 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division with 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Utah Admin. R.649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

6. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

RECEIVED
VERNAL FIELD OFFICE
2007 NOV 5 PM 12:36

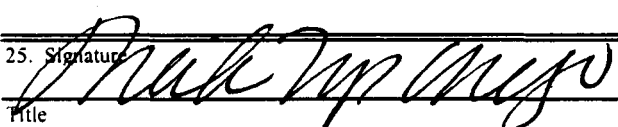
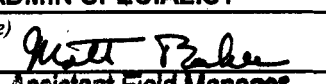
FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER			5. Lease Serial No. UTU-0461	
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone			6. If Indian, Allottee or Tribe Name TRIBAL SURFACE	
2. Name of Operator KERR MCGEE OIL AND GAS ONSHORE LP			7. If Unit or CA Agreement, Name and No. UNIT #891008900A	
3a. Address 1368 SOUTH 1200 EAST VERNAL, UT 84078		3b. Phone No. (include area code) (435) 781-7024	8. Lease Name and Well No. NBU 922-1801BS	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface NW/SE 1430'FSL, 2596'FEL At proposed prod. Zone SW/SE 1046'FSL, 1714'FEL			9. API Well No. 43 041 39835	
14. Distance in miles and direction from nearest town or post office* 16.6 +/- MILES FROM OURAY, UTAH			10. Field and Pool, or Exploratory NATURAL BUTTES	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 1442'		16. No. of Acres in lease 601.96	11. Sec., T., R., M., or Blk. and Survey or Area SEC. 18, T9S, R22E	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C		19. Proposed Depth 9837'	12. County or Parish UINTAH	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 4861'GL		22. Approximate date work will start* UPON APPROVAL	13. State UTAH	
17. Spacing Unit dedicated to this well 40.00		20. BLM/BIA Bond No. on file RLB0005239		
23. Estimated duration TO BE DETERMINED				

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|--|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office. | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature 	Name (Printed/Typed) SHEILA UPCHEGO	Date 11/16/2007
Title SENIOR LAND ADMIN SPECIALIST		
Approved by (Signature) 	Name (Printed/Typed) MATT BAKER	Date FEB 22 2008
Title Acting Assistant Field Manager		
Office LANDS & MINERAL RESOURCES VERNAL FIELD OFFICE		

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

CONDITIONS OF APPROVAL ATTACHED

NOTICE OF APPROVAL

RECEIVED

FEB 26 2008

DIV. OF OIL, GAS & MINING

NOV 05
08N100072A

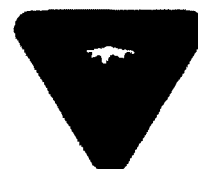


UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr-McGee Oil & Gas Onshore, LP
Well No: NBU 922-1801BS
API No: 43-047-39835

Location: NWSE, Sec. 18, T9S, R22E
Lease No: UTU-0461
Agreement: Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	James Ashley	(435) 781-4470	(435) 828-7874
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
NRS/Enviro Scientist:	Karl Wright	(435) 781-4484	(435) 828-7381
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	
NRS/Enviro Scientist:		(435) 781-4476	
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Michael Cutler	(435) 781-3401	(435) 828-3546
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Darren Williams	(435) 781-4447	
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Construction Activity	The Ute Tribe Energy & Minerals Dept. shall be notified in writing 48 hours in advance of any construction activity. The Ute Tribal office is open Monday through Thursday.
Construction Completion	Upon completion of the pertinent APD/ROW construction, notify the Ute Tribe Energy & Minerals Dept. for a Tribal Technician to verify the Affidavit of Completion.
Spud Notice (Notify Petroleum Engineer)	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

General Surface COAs

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer AO. A report will be prepared by a BLM permitted paleontologist and submitted to the AO at the completion of surface disturbing activities.

Specific Surface COAs

- Re-route 24 Inch pipeline on location.
- 8 Inch pipeline.
- A 30' foot corridor right-of-way shall be approved. Upon completion of each pipeline in corridor, they shall be identified and filed with the Ute Tribe.
- A qualified Archaeologist accompanied by a Tribal Technician will monitor trenching construction of pipeline.
- The Ute Tribe Energy & Minerals Department is to be notified, in writing 48 hours prior to construction of pipeline.
- Construction Notice shall be given to the department on the Ute Tribe workdays, which are Monday through Thursday. The Company understands that they may be responsible for costs incurred by the Ute Tribe after hours.
- The Company shall inform contractors to maintain construction of pipelines within the approved ROWs.
- The Company shall assure the Ute Tribe that "ALL CONTRACTORS, INCLUDING SUB-CONTRACTORS, LEASING CONTRACTORS, AND ETC." have acquired a current and valid Ute Tribal Business License and have "Access Permits" prior to construction, and will have these permits in all vehicles at all times.
- You are hereby notified that working under the "umbrella" of a company does not allow you to be in the field, and can be subject to those fines of the Ute Tribe Severance Tax Ordinance.
- Any deviation of submitted APDs and ROW applications the Companies will notify the Ute Tribe and BIA in writing and will receive written authorization of any such change with appropriate authorization.
- The Company will implement "Safety and Emergency Plan." The Company's safety director will ensure its compliance.

- All Company employees and/or authorized personnel (sub-contractors) in the field will have approved applicable APDs and/or ROW permits/authorizations on their person(s) during all phases of construction.
- All vehicular traffic, personnel movement, construction/restoration operations should be confined to the area examined and approved, and to the existing roadways and/or evaluated access routes.
- All personnel should refrain from collecting artifacts, any paleontological fossils, and from disturbing any significant cultural resources in the area.
- The personnel from the Ute Tribe Energy & Minerals Department should be notified should cultural remains from subsurface deposits be exposed or identified during construction. All construction will cease.
- All mitigative stipulations contained in the Bureau of Indian Affairs Site Specific Environmental Assessment (EA) will be strictly adhered.
- Upon completion of Application for Corridor Right-Way, the company will notify the Ute Tribe Energy & Minerals Department, so that a Tribal Technician can verify Affidavit of Completion.

DOWNHOLE CONDITIONS OF APPROVAL

SITE SPECIFIC DOWNHOLE CONDITIONS OF APPROVAL

- A surface casing shoe integrity test shall be performed.
- Production casing cement top shall be at a minimum of 200' above the surface casing shoe.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- Blowout prevention equipment BOPE shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.
- The operator must report encounters of all non oil & gas mineral resources such as Gilsonite, tar sands, oil shale, trona, etc. to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth from KB or GL of encounter, vertical footage of the encounter

and, the name of the person making the report along with a telephone number should the BLM need to obtain additional information.

- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- Chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log CBL will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" Oil and Gas Operations Report OGOR starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 303 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location ¼¼, Sec., Twn, Rng, and P.M..
 - Date well was placed in a producing status date of first production for which royalty will be paid.
 - The nature of the well's production, i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons.
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees NTL 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events fires, accidents, blowouts, spills, discharges as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" BLM Form 3160-4 shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples cuttings, fluid, and/or gas shall be submitted only when requested by the BLM, Vernal Field Office.
- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall

have prior written approval from the BLM Vernal Field Office.

- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" Form BLM 3160-5 must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other Instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU-0461
2. Name of Operator Kerr-McGee Oil & Gas Onshore, LP		6. If Indian, Allottee, or Tribe Name Ute Tribe
3a. Address P.O. Box 173779, Denver, CO 80217-3779		7. If Unit or CA. Agreement Name and/or No. UTU-63047A
3b. Phone No. (include area code) 720.929.6226		8. Well Name and No. NBU 922-1801BS
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) NW SE Sec. 18 T 9S R 22E 1459 FSL 2556 FEL		9. API Well No. 43-047-39835
		10. Field and Pool, or Exploratory Area Natural Buttes
		11. County or Parish, State Utah

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/ Resume)	<input type="checkbox"/> Water Shut-off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Altering Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and abandon	<input type="checkbox"/> Temporarily Abandon	Surface Location
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will be performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

COPY SENT TO OPERATOR

Date: 12-4-2008

Initials: KS

Kerr-McGee Oil & Gas Onshore, LP, respectfully notifies that the center stakes for the surface location have been moved to NWSE 1459' FSL & 2556' FEL. The bottomhole location has not been changed.

Approved by the
Utah Division of
Oil, Gas and Mining

**Federal Approval of this
Action is Necessary**

629544x
44322864
40.032751
-109.481719

Date: 12-01-08

By: [Signature]

14. I hereby certify that the foregoing is true and correct.
Name (Printed/ Typed)

Kevin McIntyre

Title

Regulatory Analyst

Signature

[Signature]

Date

11/12/08

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Conditions of approval, if any are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title

Date

Office

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

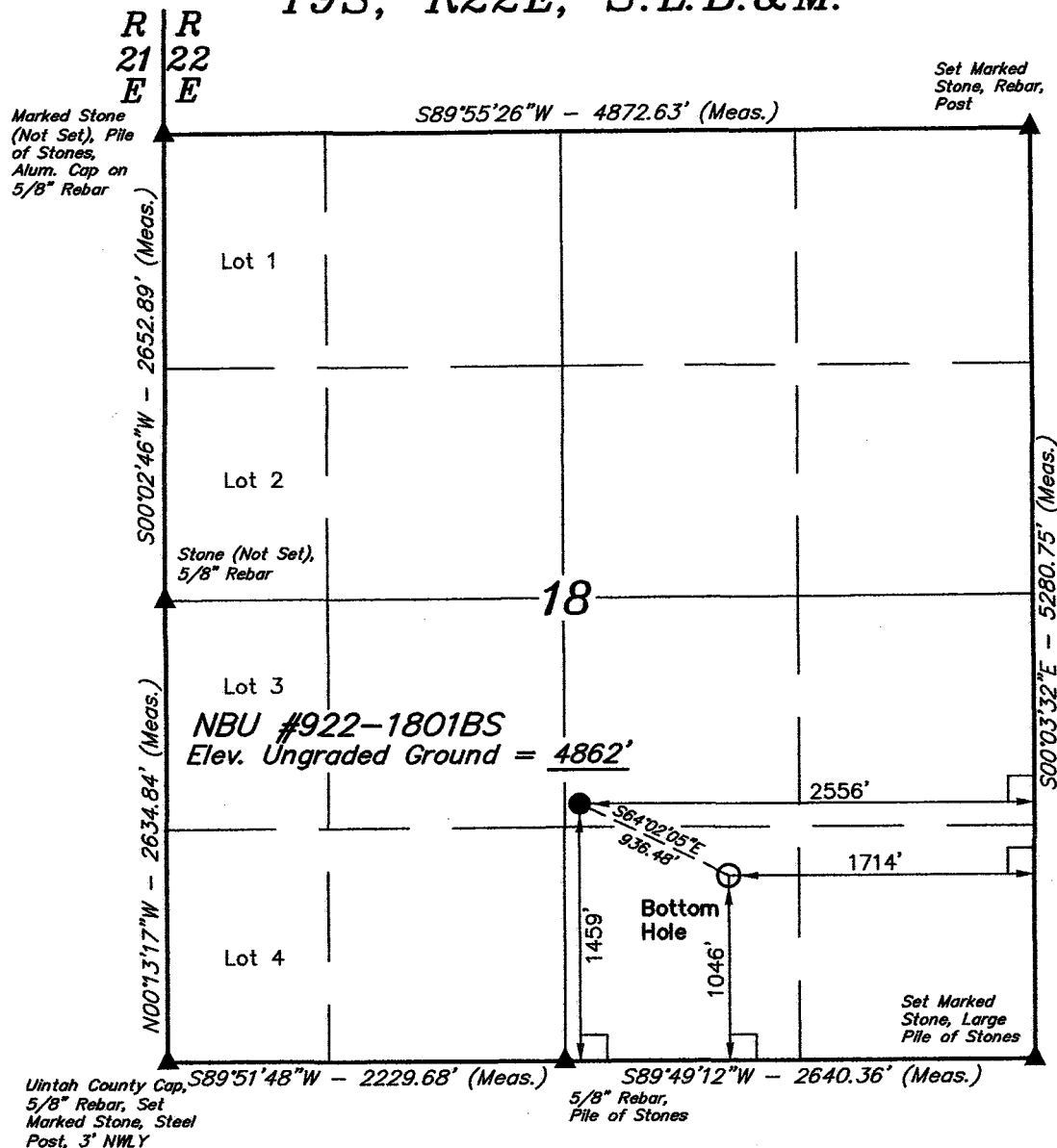
(Instructions on page 2)

RECEIVED

NOV 17 2008

DIV. OF OIL, GAS & MINING

T9S, R22E, S.L.B.&M.



Kerr-McGee Oil & Gas Onshore LP

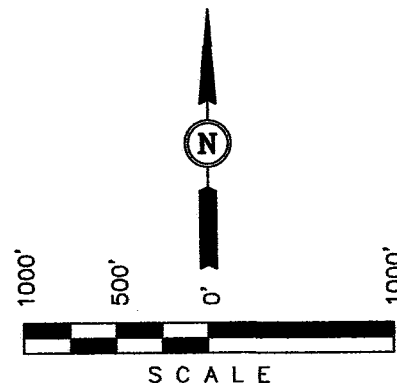
Well location, NBU #922-1801BS, located as shown in the NW 1/4 SE 1/4 of Section 18, T9S, R22E, S.L.B.&M., Uintah County, Utah.

BASIS OF ELEVATION

BENCH MARK (20EAM) LOCATED IN THE SE 1/4 OF SECTION 35, T8S, R21E, S.L.B.&M. TAKEN FROM THE OURAY SE QUADRANGLE, UTAH, UINTAH COUNTY, 7.5 MINUTE SERIES (TOPOGRAPHICAL MAP) PUBLISHED BY THE UNITED STATES DEPARTMENT OF THE INTERIOR, GEOLOGICAL SURVEY. SAID ELEVATION IS MARKED AS BEING 4697 FEET.

BASIS OF BEARINGS

BASIS OF BEARINGS IS A G.P.S. OBSERVATION.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE MAP WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTRATION NO. 161319
STATE OF UTAH

REVISED: 11-03-08

UINTAH ENGINEERING & LAND SURVEYING
85 SOUTH 200 EAST - VERNAL, UTAH 84078
(435) 789-1017

LEGEND:

- └─┘ = 90° SYMBOL
- = PROPOSED WELL HEAD.
- ▲ = SECTION CORNERS LOCATED.

NAD 83 (TARGET BOTTOM HOLE)	NAD 83 (SURFACE LOCATION)
LATITUDE = 40°01'53.85" (40.031625)	LATITUDE = 40°01'57.90" (40.032750)
LONGITUDE = 109°28'45.95" (109.479431)	LONGITUDE = 109°28'56.77" (109.482436)
NAD 27 (TARGET BOTTOM HOLE)	NAD 27 (SURFACE LOCATION)
LATITUDE = 40°01'53.97" (40.031658)	LATITUDE = 40°01'58.03" (40.032786)
LONGITUDE = 109°28'43.48" (109.478744)	LONGITUDE = 109°28'54.30" (109.481750)

SCALE 1" = 1000'	DATE SURVEYED: 05-07-07	DATE DRAWN: 05-16-07
PARTY D.K. L.K. C.H.	REFERENCES G.L.O. PLAT	
WEATHER WARM	FILE Kerr-McGee Oil & Gas Onshore LP	



Kerr-McGee Oil & Gas Onshore LP
1999 Broadway, Suite 3700
Denver, CO 80205

November 24, 2008

Mrs. Diana Mason
Division of Oil, Gas and Mining
P.O. Box 145801
Salt Lake City, UT 84114-6100

Re: Directional Drilling R649-3-11
NBU 922-1801BS
T9S-R22E
Section 18: SWSE
Surface: 1459' FSL, 2556' FEL
Bottom Hole: 1046' FSL, 1714' FEL
Uintah County, Utah

Dear Mrs. Mason:

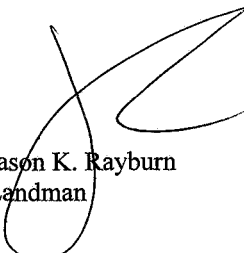
Pursuant to the filing of Kerr-McGee Oil & Gas Onshore LP's (Kerr-McGee) Application for Permit to Drill regarding the above referenced well, we are hereby submitting this letter in accordance with Oil & Gas Conservation Rule R649-3-11 pertaining to the Exception to Location and Siting of Wells.

- Kerr-McGee's NBU 922-1801BS is located within the Natural Buttes Unit area.
- Kerr-McGee is permitting this well as a directional well in order to minimize surface disturbance. Locating the well at the surface location and directionally drilling from this location, Kerr-McGee will be able to utilize the existing road and pipelines in the area.
- Furthermore, Kerr-McGee certifies that it is the sole working interest owner within 460 feet of the entire directional well bore.

Therefore, based on the above stated information Kerr-McGee Oil & Gas Onshore LP requests the permit be granted pursuant to R649-3-11.

Sincerely,

KERR-MCGEE OIL & GAS ONSHORE LP


Jason K. Rayburn
Landman

RECEIVED

NOV 26 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 9

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.

1. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER _____		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0461
2. NAME OF OPERATOR: Kerr-McGee Oil & Gas Onshore, LP		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Ute Tribe
3. ADDRESS OF OPERATOR: P.O. Box 173779 CITY Denver STATE CO ZIP 80217-3779		7. UNIT or CA AGREEMENT NAME: 891008900A
PHONE NUMBER: (720) 929-6226		8. WELL NAME and NUMBER: NBU 922-1801BS
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1459' FSL & 2556' FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSE 18 9S 22E		9. API NUMBER: 4304739835
		10. FIELD AND POOL, OR WILDCAT: Natural Buttes Field
		COUNTY: Uintah
		STATE: UTAH

11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input checked="" type="checkbox"/> NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: _____	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> REPERFORATE CURRENT FORMATION
	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> SIDETRACK TO REPAIR WELL
	<input type="checkbox"/> CASING REPAIR	<input type="checkbox"/> NEW CONSTRUCTION	<input type="checkbox"/> TEMPORARILY ABANDON
	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> TUBING REPAIR
	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> VENT OR FLARE
<input type="checkbox"/> SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: _____	<input type="checkbox"/> CHANGE WELL NAME	<input type="checkbox"/> PLUG BACK	<input type="checkbox"/> WATER DISPOSAL
	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> PRODUCTION (START/RESUME)	<input type="checkbox"/> WATER SHUT-OFF
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input checked="" type="checkbox"/> OTHER: <u>APD Extension</u>
	<input type="checkbox"/> CONVERT WELL TYPE	<input type="checkbox"/> RECOMPLETE - DIFFERENT FORMATION	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Kerr-McGee Oil & Gas Onshore, LP, respectfully requests a one year extension on this APD in order to complete drilling operations. The Utah Division of Oil, Gas, and Mining initially approved this APD on 12/03/2007.

Approved by the
Utah Division of
Oil, Gas and Mining

Date: 12-11-08
By: [Signature]

NAME (PLEASE PRINT) Kevin McIntyre TITLE Regulatory Analyst
SIGNATURE [Signature] DATE 12/9/2008

(This space for State use only)

COPY SENT TO OPERATOR

Date: 12.11.2008

Initials: KS

(See Instructions on Reverse Side)

RECEIVED

DEC 11 2008

DIV. OF OIL, GAS & MINING

**Application for Permit to Drill
Request for Permit Extension
Validation**

(this form should accompany the Sundry Notice requesting permit extension)

API: 4304739835
Well Name: NBU 922-1801BS
Location: NWSE 1459' FSL & 2556' FEL, Sec. 18, T9S R22E
Company Permit Issued to: Kerr-McGee Oil & Gas Onshore, LP
Date Original Permit Issued: 12/3/2007

The undersigned as owner with legal rights to drill on the property as permitted above, hereby verifies that the information as submitted in the previously approved application to drill, remains valid and does not require revision.

Following is a checklist of some items related to the application, which should be verified.

If located on private land, has the ownership changed, if so, has the surface agreement been updated? Yes ☐ No ☒

Have any wells been drilled in the vicinity of the proposed well which would affect the spacing or siting requirements for this location? Yes ☐ No ☒

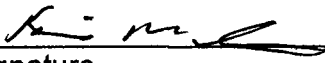
Has there been any unit or other agreements put in place that could affect the permitting or operation of this proposed well? Yes ☐ No ☒

Have there been any changes to the access route including ownership, or right-of-way, which could affect the proposed location? Yes ☐ No ☒

Has the approved source of water for drilling changed? Yes ☐ No ☒

Have there been any physical changes to the surface location or access route which will require a change in plans from what was discussed at the onsite evaluation? Yes ☐ No ☒

Is bonding still in place, which covers this proposed well? Yes ☒ No ☐



Signature

12/9/2008

Date

Title: Regulatory Analyst

Representing: Kerr-McGee Oil & Gas Onshore, LP

RECEIVED

DEC 11 2008

DIV. OF OIL, GAS & MINING

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL, GAS AND MINING

FORM 6

ENTITY ACTION FORM

Operator: KERR McGEE OIL & GAS ONSHORE LP Operator Account Number: N 2995
Address: 1368 SOUTH 1200 EAST
city VERNAL
state UT zip 84078 Phone Number: (435) 781-7024

Well 1

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304739834	NBU 9221801CS	NWSE	18	9S,	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
B	99999	2900	12/21/2008	12/30/08		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSTMVD</i> SPUD WELL LOCATION ON 12/21/2008 AT 0800 HRS. <i>BHL = SWSE</i>						

Well 2

API Number	Well Name	QQ	Sec	Twp	Rng	County
4304739835	NBU 922-1801BS	NWSE	18	9S,	22E	UINTAH
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
B	99999	2900	12/21/2008	12/30/08		
Comments: MIRU PETE MARTIN BUCKET RIG. <i>WSTMVD</i> SPUD WELL LOCATION ON 12/21/2008 AT 1400 HRS. <i>BHL = SWSE</i>						

Well 3

API Number	Well Name	QQ	Sec	Twp	Rng	County
Action Code	Current Entity Number	New Entity Number	Spud Date	Entity Assignment Effective Date		
Comments:						

ACTION CODES:

- A - Establish new entity for new well (single well only)
- B - Add new well to existing entity (group or unit well)
- C - Re-assign well from one existing entity to another existing entity
- D - Re-assign well from one existing entity to a new entity
- E - Other (Explain in 'comments' section)

SHEILA UPCHEGO

Name (Please Print)

Sheila Upchego

Signature

REGULATORY ANALYST

12/22/2008

RECEIVED Title

Date

DEC 22 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
***Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.***

5. Lease Serial No.
UTU-0461

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
KERR MCGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3b. Phone No. (include area code)
435.781.7024

7. If Unit of CA/Agreement, Name and/or No.
UNIT #891008900A

8. Well Name and No.
NBU 922-1801BS

9. API Well No.
4304739835

10. Field and Pool or Exploratory Area
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SURFACE HOLE: NW/SE SEC. 18, T9S, R22E 1430'FSL, 2596'FEL
BOTTOM HOLE: SW/SE SEC. 18, T9S, R22E 1046'FSL, 1714'FEL

11. Country or Parish, State
UINTAH COUNTY, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other <u>WELL SPUD</u>
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

MIRU PETE MARTIN BUCKET RIG. DRILLED 20" CONDUCTOR HOLE TO 40'. RAN 14" 36.7# SCHEDULE 10 PIPE.
CMT W/28 SX READY MIX.

SPUD WELL LOCATION ON 12/21/2008 AT 1400 HRS.

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature

Date 12/22/2008

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED
DEC 31 2008

DIV. OF OIL, GAS & MINING

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
**Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals.**

5. Lease Serial No.
UTU-0461

6. If Indian, Allottee or Tribe Name

TRIBAL SURFACE

SUBMIT IN TRIPLICATE – Other instructions on page 2.

1. Type of Well

☐ Oil Well ☒ Gas Well ☐ Other

2. Name of Operator
KERR MCGEE OIL & GAS ONSHORE LP

3a. Address
1368 SOUTH 1200 EAST VERNAL, UTAH 84078

3b. Phone No. (include area code)
435.781.7024

7. If Unit of CA/Agreement, Name and/or No.
UNIT #891008900A

8. Well Name and No.
NBU 922-1801BS

9. API Well No.
4304739835

10. Field and Pool or Exploratory Area
NATURAL BUTTES

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
SURFACE HOLE: NW/SE SEC. 18, T9S, R22E 1430'FSL, 2596'FEL
BOTTOM HOLE: SW/SE SEC. 18, T9S, R22E 1046'FSL, 1714'FEL

11. Country or Parish, State
UINTAH COUNTY, UTAH

12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other SET SURFACE
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	CSG
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.)

MIRU BILL MARTIN AIR RIG #3 ON 01/21/2009. DRILLED 12 1/4" SURFACE HOLE TO 2850'. RAN 9 5/8" 36# J-55 SURFACE CSG. LEAD CMT W/275 SX HIFILL CLASS G @11.0 PPG 1.15 YIELD. TAILED CMT W/200 SX PREM CLASS G @15.8 PPG 1.15 YIELD. 30 +/- BBLS OF LEAD CMT PIT. PLUG DOWN 1100 PSI FLOAT HELD.RAN 200' OF 1" PIPE, CMT W/150 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN 1" PIPE, CMT FELL BACK. TOP OUT W/75 SX PREM CLASS G @15.8 PPG 1.15 YIELD DOWN BACKSIDE GOOD CMT TO SURFACE HOLE STAYED FULL.

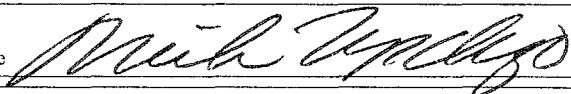
WORT

14. I hereby certify that the foregoing is true and correct.

Name (Printed/Typed)
SHEILA UPCHEGO

Title REGULATORY ANALYST

Signature



Date 02/04/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

RECEIVED

FEB 09 2009

DIV. OF OIL, GAS & MINING

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9			
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0461			
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE			
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES			
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 922-1801BS			
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1459 FSL 2556 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 18 Township: 09.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047398350000			
PHONE NUMBER: 720 929-6587 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES			
COUNTY: UINTAH		STATE: UTAH			
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA					
TYPE OF SUBMISSION	TYPE OF ACTION				
<input checked="" type="checkbox"/> NOTICE OF INTENT Approximate date work will start: 5/26/2009 <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input type="checkbox"/> DRILLING REPORT Report Date:	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER </td> <td style="width: 33%; vertical-align: top;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: BOP testing </td> </tr> </table>		<input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input checked="" type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: BOP testing
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12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Due to the nature of pad drilling, Kerr McGee Oil & Gas Onshore, LP (Kerr-McGee) would like to recognize that breaking the seal between the BOP and Surface casing and "skidding" the drilling rig does not constitute an initial installation for the BOP when it is Nippled-Up on the next well. We contend that it is only breaking a seal and, as such, request approval to test only that breached seal to satisfy the referenced Order. The entire BOPE will be tested every 30 days, whenever the rig is mobilized to a new pad and/or when any related repairs are required. Please contact John Huycke, Sr Staff Drilling Engineer at 720-929-6624 with any questions. Thank you.					
<div style="text-align: right;"> REQUEST DENIED Utah Division of Oil, Gas and Mining Date: May 26, 2009 By: </div>					
NAME (PLEASE PRINT) Kathy Schneebeck-Dulnoan	PHONE NUMBER 720 929-6007	TITLE Staff Regulatory Analyst			
SIGNATURE N/A	DATE 5/21/2009				

RECEIVED May 21, 2009



The Utah Division of Oil, Gas, and Mining

- State of Utah
- Department of Natural Resources

Electronic Permitting System - Sundry Notices

Sundry Conditions of Approval Well Number 43047398350000

See requirements of R649-3-7 - "Upon installation, all ram type BOPE and related equipment, including casing, shall be tested..."

REQUEST DENIED
Utah Division of
Oil, Gas and Mining

Date: May 26, 2009
By: Dan K. Quist

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-0461
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME: UTE
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PHONE NUMBER: 720 929-6587 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: Uintah		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/4/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: _____	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
FINISHED DRILLING FROM 2850' TO 9930' ON 06/01/2009. RAN 4 1/2"		
11.6# I-80 PRODUCTION CSG. LEAD CMT W/515 SX PREM LITE II @11.4 PPG 2.79 YIELD. TAILED CMT W/1335 SX 50/50 POZ @14.3 PPG 1.31 YIELD. DROP PLUG & DISPLACE W/153.6 BBLS H2O. LIFT PRESSURE @2608 PSI. PRIOR TO BUMP PLUG TO 3471 PSI 20 BBLS GOOD LEAD TO PIT. WASH FOR INSTALL AND TEST MANDREL PACKOFF TO 5K PSI RELEASE DTO. RELEASED H&P RIG 298 ON 06/03/2009 AT 0800 HRS.		
<div style="text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 08, 2009 </div>		
NAME (PLEASE PRINT) Sheila Upchego	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 6/4/2009	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
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TYPE OF SUBMISSION <input type="checkbox"/> NOTICE OF INTENT Approximate date work will start: <input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: <input type="checkbox"/> SPUD REPORT Date of Spud: <input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/1/2009	TYPE OF ACTION <div style="display: flex; flex-wrap: wrap;"> <div style="width: 33%;"> <input type="checkbox"/> ACIDIZE <input type="checkbox"/> CHANGE TO PREVIOUS PLANS <input type="checkbox"/> CHANGE WELL STATUS <input type="checkbox"/> DEEPEN <input type="checkbox"/> OPERATOR CHANGE <input checked="" type="checkbox"/> PRODUCTION START OR RESUME <input type="checkbox"/> REPERFORATE CURRENT FORMATION <input type="checkbox"/> TUBING REPAIR <input type="checkbox"/> WATER SHUTOFF <input type="checkbox"/> WILDCAT WELL DETERMINATION </div> <div style="width: 33%;"> <input type="checkbox"/> ALTER CASING <input type="checkbox"/> CHANGE TUBING <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS <input type="checkbox"/> FRACTURE TREAT <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> RECLAMATION OF WELL SITE <input type="checkbox"/> SIDETRACK TO REPAIR WELL <input type="checkbox"/> VENT OR FLARE <input type="checkbox"/> SI TA STATUS EXTENSION <input type="checkbox"/> OTHER </div> <div style="width: 33%;"> <input type="checkbox"/> CASING REPAIR <input type="checkbox"/> CHANGE WELL NAME <input type="checkbox"/> CONVERT WELL TYPE <input type="checkbox"/> NEW CONSTRUCTION <input type="checkbox"/> PLUG BACK <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION <input type="checkbox"/> TEMPORARY ABANDON <input type="checkbox"/> WATER DISPOSAL <input type="checkbox"/> APD EXTENSION OTHER: _____ </div> </div>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 10/01/2009 AT 10:30 A.M. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 06, 2009		
NAME (PLEASE PRINT) Andy Lytle		PHONE NUMBER 720 929-6100
SIGNATURE N/A		TITLE Regulatory Analyst
		DATE 10/5/2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-18O1BS (RED)		Spud Conductor: 12/21/2008		Spud Date: 1/21/2009	
Project: UTAH-UINTAH		Site: NBU 922-18J PAD			Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING		Start Date: 1/21/2009		End Date: 6/3/2009	
Active Datum: RKB @4,887.00ft (above Mean Sea Level)			UWI: NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,459.00/E/0/2,556.00/0/0		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
1/21/2009	23:00 - 0:00	1.00	DRLSUR	02		P		AIR SPUD 23:00 1/21/2009 DRILL F/ 80' TO 150'
1/22/2009	0:00 - 12:00	12.00	DRLSUR	02		P		DRILL F/ 150' TO 870' W/ HAMMER BIT (NO WATER)
	12:00 - 0:00	12.00	DRLSUR	02		P		DRILL F/ 870' TO 1470' W/ HAMMER BIT (NO WATER)
1/23/2009	0:00 - 12:00	12.00	DRLSUR	02		P		DRILL F/ 1470' TO 1920' DRILL W/ AIR HAMMER
	12:00 - 0:00	12.00	DRLSUR	02		P		DRILL F/ 1920' TO 2250' DRILL W/ AIR HAMMER. SURVEY @ 2010' = 1 DEGREE. (AIR BOWL SLIPPED UPWARD) SECURE AIR BOWL BETTER.
1/24/2009	0:00 - 12:00	12.00	DRLSUR	02		P		DRILL F/ 2250' TO 2550' (DRILL W/ AIR HAMMER) SURVEY 2550' = 1/2 DEGREE. NO WATER.
	12:00 - 0:00	12.00	DRLSUR	02		P		DRILL F/ 2550' TO 2850' TD 21:00 1/24/2009. (DRILL W/ AIR HAMMER) SURVEY 2850' = 1/2 DEGREE. NO WATER.
1/25/2009	0:00 - 4:30	4.50	DRLSUR	06		P		LDDS, RUN 9 5/8" CSG (TROLLY RAMS FAILURE @ 2490')
	4:30 - 16:00	11.50	DRLSUR	08		Z		PRO PETRO BROUGHT IN CRANE AND REMOVED RIG #6. REPLACE RIG W/ RIG #8.
	16:00 - 17:00	1.00	DRLSUR	12		P		RUN REST OF CSG 66 JTS OF 9 5/8" J-55 36# CSG. SET @ 2808'. RUN 200' OF 1". RIG DOWN RIG AND RIG UP CEMENTERS.
	17:00 - 19:30	2.50	DRLSUR	12				PUMP 275 SX (187 BBLS) OF LEAD HI-FILL 11#, 3.82 YD, 23 GAL/SX. PUMP 200 SX (41 BBLS), TAIL PREMIUM CEMENT 15.8 #, 1.15 YD, 5 GAL/SX. 30 BBLS OF LEAD TO PIT. PLUG DOWN 1100 PSI, FLOAT HELD. CEMENT FELL. PUMP 150 SX OF TAIL CEMENT DOWN 1". CEMENT FELL. WAIT 1 HR PUMP 75 SX OF TAIL DOWN BACK SIDE. CEMENT TO SURFACE AND STAYING. RIG DOWN CEMENTERS.
5/24/2009	13:00 - 18:00	5.00	DRLPRO	01	C	P		PREPARE TO SKID RIG,SKID RIG 20',3 L&S TRUCKS,1 FORKLIFT, ON LOC @ 1400 1J & C CRANE @ 1300, RD BACK YARD ELECT CABLES,PITS PUMPS ,SET OUT BACK YARD,MOVE FLOW LINE IN PLACE,SET IN PITS .
	18:00 - 0:00	6.00	DRLPRO	01	B	P		SET IN PUMPS,MCC,VFD,GENS,PUMP PARTS HOUSE,POWER PACK,,ELECT CABLES ,2 TRUCKS GONE @ 2130 HRS,CRANE @ 2000 HRS
5/25/2009	0:00 - 7:00	7.00	DRLPRO	01	B	P		BACK YARD 95 % SET IN PLACE,30% RIGGED UP RIG UP,STRING ELECTRICAL CABLES,POWER UP RIG,HOOK UP PITS,PUMPS, MUD LINES, AIR LINES,BOLT UP FLOWLINE,CHOKE LINE,FLARE LINES
	7:00 - 8:00	1.00	DRLPRO	09	A	P		CUT & SLIP 120' DRILL LINE
	8:00 - 8:30	0.50	DRLPRO	11	E	P		PRE SPUD INSPECTION,
	8:30 - 13:00	4.50	DRLPRO	15	A	P		PRESSURE TEST PIPE RAMS, BLIND RAMS, IBOP, FLOOR VALVE, KILL LINES & KILL LINE VALVES, BOP WING VALVES , HCR VALVE + CHOKE LINE; INNER AND OUTER CHOKE VALVES & MANIFOLD TO 250 PSI LOW @ 5 MINUTES + 5000 PSI HIGH @ 10 MINUTES / TEST ANNULAR TO 250 PSI LOW @ 5 MINUTES + 2500 PSI HIGH @ 10 MINUTES / TEST SUPER CHOKE + SURFACE CASING TO 1500 PSI @ 30 MINUTES - / FUNCTION TEST CLOSING UNIT - PASSED

RECEIVED October 05, 2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-1801BS (RED) Spud Conductor: 12/21/2008 Spud Date: 1/21/2009

Project: UTAH-UINTAH Site: NBU 922-18J PAD Rig Name No: PROPETRO/ H&P 298/298

Event: DRILLING Start Date: 1/21/2009 End Date: 6/3/2009

Active Datum: RKB @4,887.00ft (above Mean Sea Level) UWI: NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,459.00/E/0/2,556.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	13:00 - 15:00	2.00	DRLPRO	06	A	P		PICK UP M MTR,MAKE UP BIT,ORIENT DIRECTIONAL TOOLS,THH TO 2700',INSTALL ROTATING HEAD, FILL PIPE,TAG CMT @2747
	15:00 - 16:00	1.00	DRLPRO	02	F	P		DRILL CMT FLOAT @ 2785' SHOE @ 2829'
	16:00 - 0:00	8.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 2850' - T/ 3340' = 490' @ 61.2fph / 14k-18k WOB / TOP DRV RPM 40 / #2 PUMP @ 110 SPM = 498 GPM / MOTOR 110 RPM / SPP ON-OFF BTM 1900-1640 / TQ ON-OFF BTM 6k-1k ft/lbs / DRAG UP-DWN-ROT 115-105-108 / 8.6 ppg - 26 vis (DRILL W/ H2O + POLYMER - CIRCULATING RIG PITS) 8' TO 10' SLIDES MADE AT SELECTED INTERVALS ON 93' STANDS / PUMPING GEL/LIME SWEEPS,(SLIDE 136' -29% OF FOOTAGE,3.75 HRS -47%OF DRILLING
5/26/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/ 3340 - T/ 3700' = 360 @ 60.fph / 14k-18k WOB / TOP DRV RPM 40 / #2 PUMP @ 110 SPM = 498 GPM / MOTOR 110 RPM / SPP ON-OFF BTM 1900-1640 / TQ ON-OFF BTM 6k-1k ft/lbs / DRAG UP-DWN-ROT 115-105-108 / 8.6 ppg - 26 vis (DRILL W/ H2O + POLYMER - CIRCULATING RIG PITS) 8' TO 10' SLIDES MADE AT SELECTED INTERVALS ON 93' STANDS / PUMPING GEL/LIME SWEEPS,(SLIDE 110' -27% OF FOOTAGE,2.75 HRS -46%OF DRILLING
	6:00 - 17:00	11.00	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/3700 - T/ 4270' = 570 @ 51.8.fph / 14k-18k WOB / TOP DRV RPM 40 / #2 PUMP @ 105 SPM = 473 GPM / MOTOR 104 RPM / SPP ON-OFF BTM 1900-1640 / TQ ON-OFF BTM 6k-1k ft/lbs / DRAG UP-DWN-ROT 130-105-116/ 8.6 ppg - 26 vis (DRILL W/ H2O + POLYMER - CIRCULATING RIG PITS) 8' TO 14' SLIDES MADE AT SELECTED INTERVALS ON 93' STANDS / PUMPING GEL/LIME SWEEPS,(SLIDE 229 -43% OF FOOTAGE,6 HRS -54%OF DRILLING
	17:00 - 17:30	0.50	DRLPRO	07	A	P		RIG SERVICE, FUNCT TEST PIPE RAMS
	17:30 - 0:00	6.50	DRLPRO	02	D	P		DRILL (ROTATE & SLIDE) F/4270 - T/ 4638' = 368 @ 56.6.fph / 14k-18k WOB / TOP DRV RPM 40 / #2 PUMP @ 105 SPM = 473 GPM / MOTOR 104 RPM / SPP ON-OFF BTM 19001722-11560 / TQ ON-OFF BTM 7k-2k ft/lbs / DRAG UP-DWN-ROT 138-110-123 / 8.6 ppg - 26 vis (DRILL W/ H2O + POLYMER - CIRCULATING RIG PITS) 8' TO 12' SLIDES MADE AT SELECTED INTERVALS ON 93' STANDS / PUMPING GEL/LIME SWEEPS,(SLIDE 1152 -32% OF FOOTAGE,1.5 HRS -38%OF DRILLING
5/27/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL & SURVEY (ROTATE & SLIDE) F/ 4638' - T/ 5050' = 412 @ 68.66.fph / 14k-18k WOB / TOP DRV RPM 35 / #1 PUMP @ 105 SPM = 473 GPM / MOTOR 104 RPM / SPP ON-OFF BTM 1714-1515 / TQ ON-OFF BTM 8k-4k ft/lbs / DRAG UP-DWN-ROT 155-114-128 / 8.6 ppg - 26 vis (DRILL W/ H2O + POLYMER) 8' TO 12' SLIDES MADE AT SELECTED INTERVALS ON SELECTED 93' STANDS / PUMPING WEIGHTED MUD SWEEPS

RECEIVED October 05, 2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 922-1801BS (RED)	Spud Conductor: 12/21/2008	Spud Date: 1/21/2009
Project: UTAH-UINTAH	Site: NBU 922-18J PAD	Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING	Start Date: 1/21/2009	End Date: 6/3/2009
Active Datum: RKB @4,887.00ft (above Mean Sea Level)	UWI: NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,459.00/E/0/2,556.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:00 - 14:30	8.50	DRLPRO	02	D	P		DRILL & SURVEY (ROTATE & SLIDE) F/ 5050' - T/ 5646' = 596 @ 70.11 fph / 16k-19k WOB / TOP DRV RPM 35 / #2 PUMP @ 110 SPM = 495 GPM / MOTOR 109 RPM / SPP ON-OFF BTM 1850-1760 / TQ ON-OFF BTM 9k-4k ft/lbs / DRAG UP-DWN-ROT 178-119-144 / 8.6 ppg - 26 vis (DRILL W/ H2O + POLYMER) 8' TO 17' SLIDES MADE AT SELECTED INTERVALS ON SELECTED 93' STANDS / PUMPING WEIGHTED MUD SWEEPS
	14:30 - 15:00	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / WORK PIPE RAMS / VISUAL INSPECTION ON B.O.P.E.
	15:00 - 0:00	9.00	DRLPRO	02	D	P		DRILL & SURVEY (ROTATE & SLIDE) F/ 5646' - T/ 6240' = 594 @ 66.0 fph / 16k-19k WOB / TOP DRV RPM 35 / #1 PUMP @ 110 SPM = 495 GPM / MOTOR 109 RPM / SPP ON-OFF BTM 2100-1800 / TQ ON-OFF BTM 9k-6k ft/lbs / DRAG UP-DWN-ROT 185-125-150 / 8.6 ppg - 26 vis (DRILL W/ H2O + POLYMER) 9' TO 11' SLIDES MADE AT SELECTED INTERVALS ON SELECTED 93' STANDS / PUMPING WEIGHTED MUD SWEEPS
5/28/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL & SURVEY (ROTATE & SLIDE) F/ 6240' - T/ 6690' = 450 @ 75.0 fph / 16k-19k WOB / TOP DRV RPM 35 / #1 PUMP @ 110 SPM = 495 GPM / MOTOR 109 RPM / SPP ON-OFF BTM 2230-1880 / TQ ON-OFF BTM 9k-6k ft/lbs / DRAG UP-DWN-ROT 190-125-152 / 8.6 ppg - 26 vis (DRILL W/ H2O + POLYMER) 8' TO 11' SLIDES MADE AT SELECTED INTERVALS ON SELECTED 93' STANDS / PUMPING WEIGHTED MUD SWEEPS
	6:00 - 16:00	10.00	DRLPRO	02	D	P		DRILL & SURVEY (ROTATE & SLIDE) F/ 6690' - T/ 7160' = 470 @ 47.0 fph / 18k-20k WOB / TOP DRV RPM 35 / #2 PUMP @ 105 SPM = 473 GPM / MOTOR 104 RPM / SPP ON-OFF BTM 2050-1815 / TQ ON-OFF BTM 12k-9k ft/lbs / DRAG UP-DWN-ROT 222-135-161 / 8.6 ppg - 26 vis (DRILL W/ H2O + POLYMER) 8' - 10' SLIDES MADE AT SELECTED INTERVALS / PUMPING WEIGHTED MUD SWEEPS
	16:00 - 16:30	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / WORK PIPE RAMS / VISUAL INSPECTION ON B.O.P.E.
	16:30 - 0:00	7.50	DRLPRO	02	D	P		DRILL & SURVEY (ROTATE & SLIDE) F/ 7160' - T/ 7410' = 250 @ 33.3 fph / 18k-21k WOB / TOP DRV RPM 35 / #2 PUMP @ 110 SPM = 495 GPM / MOTOR 109 RPM / SPP ON-OFF BTM 2300-2095 / TQ ON-OFF BTM 9k-4k ft/lbs / DRAG UP-DWN-ROT 200-140-165 / 9.4 ppg - 30 vis (STARTED MUD UP @ 7200' AS PER MR. JOHN HUYCKE - FLUSHED HOLE WITH CLEAR WATER - ADDED 500 BBLS WHOLE MUD FROM STORAGE ON LOCATION) 8' TO 11' SLIDES MADE AT SELECTED INTERVALS
5/29/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL & SURVEY (ROTATE & SLIDE) F/ 7410' - T/ 7634' = 224 @ 37.3 fph / 20k-22k WOB / TOP DRV RPM 35 / #1 PUMP @ 110 SPM = 495 GPM / MOTOR 109 RPM / SPP ON-OFF BTM 2500-2200 / TQ ON-OFF BTM 10k-6k ft/lbs / DRAG UP-DWN-ROT 210-140-169 / 9.5 ppg - 35 vis 10' TO 14' SLIDES MADE AT SELECTED INTERVALS / STICKING WHILE SLIDING - USING OSCILLATION MODE ON TOP DRIVE

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US ROCKIES REGION

Operation Summary Report

Well: NBU 922-1801BS (RED)		Spud Conductor: 12/21/2008		Spud Date: 1/21/2009	
Project: UTAH-UINTAH		Site: NBU 922-18J PAD		Rig Name No: PROPETRO/, H&P 298/298	
Event: DRILLING		Start Date: 1/21/2009		End Date: 6/3/2009	
Active Datum: RKB @4,887.00ft (above Mean Sea Level)		UWI: NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,459.00/E/0/2,556.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	6:00 - 17:30	11.50	DRLPRO	02	D	P		DRILL & SURVEY (ROTATE & SLIDE) F/ 7634' - T/ 8202' = 568' @ 49.39 fph / 20k-22k WOB / TOP DRV RPM 35 / #2 PUMP @ 110 SPM = 495 GPM / MOTOR 109 RPM / SPP ON-OFF BTM 2730-2450 / TQ ON-OFF BTM 10k-8k ft/lbs / DRAG UP-DWN-ROT 245-135-177 / 9.5 ppg - 35 vis / 11' SLIDES MADE AT 7737'-7748' / STICKING WHILE SLIDING - USING OSCILLATION MODE ON TOP DRIVE
	17:30 - 18:00	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / WORK PIPE RAMS / VISUAL INSPECT B.O.P.E.
	18:00 - 0:00	6.00	DRLPRO	02	D	P		DRILL & SURVEY (ROTATE & SLIDE) F/ 8202' - T/ 8424' = 222' @ 37.0 fph / 20k-22k WOB / TOP DRV RPM 35-45 / #1 PUMP @ 105 SPM = 473 GPM / MOTOR 104 RPM / SPP ON-OFF BTM 2475-2300 / TQ ON-OFF BTM 12k-9k ft/lbs / DRAG UP-DWN-ROT 220-145-179 / 10.2 ppg - 36 vis 7' TO 15' SLIDES MADE AT SELECTED INTERVALS / STICKING WHILE SLIDING - USING OSCILLATION MODE ON TOP DRIVE
5/30/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL & SURVEY (ROTATE & SLIDE) F/ 8424' - T/ 8613' = 189' @ 31.5 fph / 20k-23k WOB / TOP DRV RPM 35-45 / #1 PUMP @ 105 SPM = 473 GPM / MOTOR 104 RPM / SPP ON-OFF BTM 2670-2506 / TQ ON-OFF BTM 12k-9k ft/lbs / DRAG UP-DWN-ROT 225-145-181 / 10.2 ppg - 36 vis / SLIDE F/ 8486' - T/ 8498' = 12' IN 1.5 HRS = 8 fph / STICKING WHILE SLIDING - USING OSCILLATION MODE ON TOP DRIVE
	6:00 - 17:30	11.50	DRLPRO	02	D	P		DRILL & SURVEY (ROTATE) F/ 8613' - T/ 8953' = 340' @ 29.56 fph / 20k-23k WOB / TOP DRV RPM 35-45 / #2 PUMP @ 100 SPM = 450 GPM / MOTOR 99 RPM / SPP ON-OFF BTM 2450-2260 / TQ ON-OFF BTM 13k-9k ft/lbs / DRAG UP-DWN-ROT 235-145-186 / 10.4 ppg - 38 vis
	17:30 - 18:00	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / WORK PIPE RAMS / VISUAL INSPECTION ON B.O.P.E.
	18:00 - 0:00	6.00	DRLPRO	02	D	P		DRILL & SURVEY (ROTATE) F/ 8953' - T/ 9126' = 173' @ 28.83 fph / 22k-24k WOB / TOP DRV RPM 35-45 / #1 PUMP @ 100 SPM = 450 GPM / MOTOR 99 RPM / SPP ON-OFF BTM 2560-2280 / TQ ON-OFF BTM 13k-9k ft/lbs / DRAG UP-DWN-ROT 260-145-188 / 10.5 ppg - 42 vis
5/31/2009	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL & SURVEY (ROTATE) F/ 9126' - T/ 9307' = 181' @ 30.16 fph / 22k-24k WOB / TOP DRV RPM 35-45 / #1 PUMP @ 100 SPM = 450 GPM / MOTOR 99 RPM / SPP ON-OFF BTM 2560-2280 / TQ ON-OFF BTM 13k-9k ft/lbs / DRAG UP-DWN-ROT 260-145-188 / 10.5 ppg - 42 vis
	6:00 - 8:30	2.50	DRLPRO	02	D	P		DRILL & SURVEY (ROTATE) F/ 9307' - T/ 9337' = 30' @ 12.0 fph / 22k-24k WOB / TOP DRV RPM 35-45 / #1 PUMP @ 100 SPM = 450 GPM / MOTOR 99 RPM / SPP ON-OFF BTM 2560-2280 / TQ ON-OFF BTM 13k-9k ft/lbs / DRAG UP-DWN-ROT 260-145-188 / 10.5 ppg - 42 vis
	8:30 - 14:00	5.50	DRLPRO	06	A	P		P.O.O.H. - BACK REAM OUT F/ 9337' - T/ 8200' - UP TO 112K OVER PULL OFF BOTTOM / P.O.O.H. WITH TIGHT SPOTS @ 6310' & 5990' & NO FURTHER PROBLEMS

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US ROCKIES REGION

Operation Summary Report

Well: NBU 922-1801BS (RED) Spud Conductor: 12/21/2008 Spud Date: 1/21/2009

Project: UTAH-UINTAH Site: NBU 922-18J PAD Rig Name No: PROPETRO/, H&P 298/298

Event: DRILLING Start Date: 1/21/2009 End Date: 6/3/2009

Active Datum: RKB @4,887.00ft (above Mean Sea Level) UWI: NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,459.00/E/0/2,556.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	PAU	MD From (ft)	Operation
6/1/2009	14:00 - 15:00	1.00	DRLPRO	06	A	P		PULL DIRECTIONAL TOOLS / LAY DOWN MOTOR & BIT / PICK UP NEW .16 RPG MOTOR W/ .16 BEND & BIT #2 / INSTALL & ORIENTATE DIRECTIONAL TOOLS / WORK BLIND & PIPE RAMS
	15:00 - 16:30	1.50	DRLPRO	06	A	P		T.I.H. TO 2750' / FILL PIPE AND BREAK CIRCULATION
	16:30 - 17:00	0.50	DRLPRO	07	A	P		SERVICE RIG AND EQUIPMENT / VISUAL INSPECTION ON B.O.P.E.
	17:00 - 20:00	3.00	DRLPRO	06	A	P		T.I.H. T/ 6500 - FILL PIPE / T.I.H. T/ 9260 - FILL PIPE / WASH F/ 9240 - T/ 9260' - STUCK PIPE @ 9242'
	20:00 - 21:30	1.50	DRLPRO	22	A	X		WORK STUCK PIPE / PULL TO 390K W/ STRING WT. OF 199K / APPEARED STUCK AT BIT - WOULD CIRCULATED W/ BACK PRESSURE AND FULL RETURNS / HELD IN TENSION - THEN SET IN COMPRESSION - PUT RIGHT HAND TORQUE TO 18K & BROUGHT PUMP TO 70 SPM W/ PRESSURE TO 3000 PSI - PIPE CAME FREE
	21:30 - 22:30	1.00	DRLPRO	03	A	X		WASH AND REAM F/ 9240' - T/ 9337' - CLEAN OUT TIGHT SPOT W/ 20' OF FILL ON BOTTOM
	22:30 - 0:00	1.50	DRLPRO	02	D	P		DRILL (ROTATE) F/ 9337' - T/ 9405' = 68' @ 45.3 fph / 16k-18k WOB / TOP DRV RPM 35-45 / #1 PUMP @ 100 SPM = 450 GPM / MOTOR 72 RPM / SPP ON-OFF BTM 2580-2350 / TQ ON-OFF BTM 13k-8k ft/lbs / DRAG UP-DWN-ROT 260-155-198 / 11.0 ppg - 40 vis / LOST APPROX 20 BBLS MUD ON TRIP / ADDING LCM SWEEPS
	0:00 - 6:00	6.00	DRLPRO	02	D	P		DRILL (ROTATE) F/ 9405' - T/ 9622' = 217' @ 36.16 fph / 18k-20k WOB / TOP DRV RPM 35-45 / #1 PUMP @ 100 SPM = 450 GPM / MOTOR 72 RPM / SPP ON-OFF BTM 2580-2350 / TQ ON-OFF BTM 14k-8k ft/lbs / DRAG UP-DWN-ROT 260-155-198 / 11.2 ppg - 40 vis / LOST APPROX 80 BBLS MUD WHILE DRILLING / ADDING LCM SWEEPS TO CONTROL LOSSES
	6:00 - 16:30	10.50	DRLPRO	02	D	P		DRILL (ROTATE) F/ 9622' - T/ 9930' (T.D.) = 308' @ 29.33 fph / 20k-24k WOB / TOP DRV RPM 35-45 / #2 PUMP @ 100 SPM = 450 GPM / MOTOR 72 RPM / SPP ON-OFF BTM 2600-2410 / TQ ON-OFF BTM 15k-9k ft/lbs / DRAG UP-DWN-ROT 265-158-202 / 11.6 ppg - 42 vis / LOST APPROX 110 BBLS MUD WHILE DRILLING / BYPASSED SHAKERS RAISED LCM TO 2%-5% TO CONTROL LOSSES / T.D. CHANGED F/ 9915' - T/ 9930' TO FIT CASING - MR. SCOTT MITCHELL NOTIFIED
	16:30 - 17:00	0.50	DRLPRO	07	A	P		SERVICE RIG & EQUIPMENT / WORK PIPE RAMS / VISUAL INSPECTION ON B.O.P.E.
6/2/2009	17:00 - 18:30	1.50	DRLPRO	05	C	P		CIRCULATE & CONDITION HOLE FOR SHORT TRIP / RECIPROCATATE PIPE 90' WHILE CIRCULATING
	18:30 - 22:30	4.00	DRLPRO	06	E	P		BACK REAM OUT TO 8400' - P.O.O.H. TO 4800' / TIGHT @ 6605' AND @ 6050'
	22:30 - 0:00	1.50	DRLPRO	06	E	P		T.I.H. / WASH THROUGH TIGHT SPOT F/ 6615' - T/ 6659' / NO ADDITIONAL TIGH HOLE ON
	0:00 - 1:00	1.00	EVALPR	06	E	P		FINISH T.I.H. / WASH F/ 6615' - T/ 6659' / 5' OF FILL ON BOTTOM
	1:00 - 3:00	2.00	EVALPR	05	C	P		CIRCULATE & CONDITION HOLE FOR LOGS / RAISE MUD WT. TO 11.7 DUE TO TIGHT SPOTS IN HOLE
	3:00 - 4:00	1.00	EVALPR	06	B	P		BACK REAM OUT F/ 9930' - T/ 9000'

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US ROCKIES REGION
Operation Summary Report

Well: NBU 922-1801BS (RED)		Spud Conductor: 12/21/2008	Spud Date: 1/21/2009
Project: UTAH-UINTAH	Site: NBU 922-18J PAD		Rig Name No: PROPETRO/, H&P 298/298
Event: DRILLING	Start Date: 1/21/2009	End Date: 6/3/2009	
Active Datum: RKB @4,887.00ft (above Mean Sea Level)		UWI: NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,459.00/E/0/2,556.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	4:00 - 9:00	5.00	EVALPR	06	B	P		PULL 5 MORE STANDS / PUMP WT. PILL / P.O.O.H. FOR LOGS / BREAK BIT / LAY DOWN DIRECTIONAL TOOLS AND MUD MOTOR
	9:00 - 15:30	6.50	EVALPR	11	D	P		SAFETY MEETING / M.I.R.U. HALLIBURTON / RUN TRIPLE COMBO F/ 9922' - T/ SURFACE / TIGHT ON BOTTOM AND @ 6200' / R.D.M.O. LOGGING EQUIPMENT
	15:30 - 16:00	0.50	CSG	14	B	P		PULL WEAR BUSHING / CLEAR FLOOR FOR CASING RUN
	16:00 - 17:00	1.00	CSG	12	A	P		SAFETY MEETING W/ FRANKS WESTATE & CREWS / M.I.R.U. CASING EQUIPMENT & LAY DOWN TRUCK
	17:00 - 0:00	7.00	CSG	12	C	P		RUN 7 JTS. 4.5 - #11.6 - P-110 LT&C CASING + 228 JTS 4.5 - #11.6 - I-80 LT7C CASING + RELATED TOOLS / FILL CASING AT SELECTED INTERVALS (AUTO FILL QUIT @ 1947')
6/3/2009	0:00 - 1:30	1.50	CSG	12	C	P		FINISH RUNNING 7 JTS. 4.5 - #11.6 - P-110 LT&C CASING + 228 JTS 4.5 - #11.6 - I-80 LT7C CASING + RELATED TOOLS / SHOE SET @ 9924.7' / TOP OF FLOAT COLLAR @ 9880' / MARKER JOINT @ 4902' / FILL CASING AT SELECTED INTERVALS (AUTO FILL QUIT @ 1947')
	1:30 - 2:00	0.50	CSG	12	A	P		INSTALL MANDREL / WASH 24' TO BOTTOM W/ 4' OF FILL / R.D.M.O. CASING EQUIPMENT
	2:00 - 3:30	1.50	CSG	05	D	P		CIRCULATE & CONDITION HOLE FOR CEMENT / SAFETY MEETING W/ B.J. SERVICES / M.I.R.U. CEMENT EQUIPMENT
	3:30 - 6:30	3.00	CSG	12	E	P		TEST PUMPS & LINES TO 4.5k PSI / PUMP 40 BBLS H2O + 515 SX LEAD CEMENT @ 11.4 ppg (PREM LITE II + .25 pps CELLOFLAKE + 5 pps GILSONITE + 10% GEL + .5% EXTENDER = 16.35 gal/sx, 2.79 yield) + 1335 SX TAIL @ 14.3 ppg (CLS G 50/50 POZ + 10% SALT + .2% R3 + .002 FP-6L = 5.91 gal/sx, 1.31 yield) / DROP PLUG & DISPLACE W/ 153.6 BBLS H2O + ADDITIVES / LIFT PRESSURE @ 2608 PSI PRIOR TO BUMP / BUMP PLUG TO 3471 PSI - HOLD 5 MINUTES W/ NO LOSS / PLUG DOWN @ 06:00 HOURS / FLOATS HELD W/ 2.0 BBLS BACK TO INVENTORY / 20 BBLS GOOD LEAD TO PIT / (CALC TOP OF TAIL @ 3430') R.D.M.O. CEMENT EQUIPMENT
	6:30 - 8:00	1.50	CSG	14	B	P		WASH B.O.P.E. / INSTALL AND TEST MANDREL PACKOFF TO 5K PSI / RELEASE D.T.O. / RIG RELEASED @ 0800 HRS. ON 06/03/2009

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US ROCKIES REGION

Operation Summary Report

Well: NBU 922-1801BS (RED) Spud Conductor: 12/21/2008 Spud Date: 1/21/2009

Project: UTAH-UINTAH Site: NBU 922-18J PAD Rig Name No: GWS 1/1

Event: COMPLETION Start Date: 8/23/2009 End Date:

Active Datum: RKB @4,887.00ft (above Mean Sea Level) UWI: NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,459.00/E/0/2,556.00/0/0

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/19/2009	7:00 - 15:00	8.00	COMP	37	B	P		HSM. STG 1)PU 3 3/8 EXP GUN, 23 GM, .36 HOLE. 90 DEG PHASING. RIH PERF F/ 9824'-30', 4 SPF, 24 HOLES. 9790'-94', 4 SPF, 16 HOLES. POOH. SWI, SDFWE.
9/21/2009	12:00 - 17:00	5.00	COMP	36	B	P		STG 1) 2:24 PM OPEN WELL 1620# BEG PUMP, BRK @ 4632# @ 5.3 BPM. SD ISIP 2750# FG .71. BEG FRAC, EST INJT RT @ 49.4 BPM @ 5666# = 60% PERF'S OPEN. PUMP 18,915# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2800# FG .72. 2:45 SWI. X-O T/ ORANGE WELL. STG 2)PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLES SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 9608' P/U PERF F/ 9574'-78', 3 SPF, 12 HOLES. 9494'-98', 4 SPF, 16 HOLES. 9352'-54', 3 SPF, 6 HOLES. 9336'-38', 3 SPF, 6 HOLES. POOH. SWI SDFN.
9/22/2009	7:00 - 19:30	12.50	COMP	36	B	P		STG 2) 10:35 AM OPEN WELL 2300#. BEG PUMP, BRK @ 3654# @ 6.3 BPM. SD ISIP 2550# FG .70. BEG FRAC, EST INJT RT @ 51.2 BPM @ 5250# =70% PERF'S OPEN. PUMP 28,524# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2850# FG .73. 10:57 SWI, X-OVER T/ ORANGE WELL. STG 3) PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 9312' P/U PERF F/ 9276'-82', 3 SPF, 18 HOLES. 9126'-30', 3 SPF, 12 HOLES. 9072'-76', 3 SPF, 12 HOLES. POOH. 4:48 OPEN WELL 1920#. BEG PUMP, BRK @ 3428# @ 6.1 BPM. SD ISIP 2700# FG .72. BEG FRAC, EST INJT RT @ 52 BPM @ 5464# =100% PERF'S OPEN. PUMP 80,145# 30/50 WHITE & TAIL IN W/ 2,000# 20/40 TLC. SD ISIP 2700# FG .72. ((CUT 20/40 TLC 2,000# SHOT DUE T/ AVOID SCREEN OUT.)) 5:36 PM SWI, X-OVER FOR WL. PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN. 90 & 120 DEG PHASING. RIH SET CBP @ 9015' P/U PERF F/ 8983'-85', 4 SPF, 8 HOLES. 8928'-32', 4 SPF, 16 HOLES. 8888'-90', 3 SPF, 6 HOLES. 8776'-80', 3 SPF, 12 HOLES. POOH. SWI. SDFN. 7:30 PM

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US ROCKIES REGION

Operation Summary Report

Well: NBU 922-1801BS (RED)		Spud Conductor: 12/21/2008	Spud Date: 1/21/2009
Project: UTAH-UINTAH	Site: NBU 922-18J PAD		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 8/23/2009	End Date:	
Active Datum: RKB @4,887.00ft (above Mean Sea Level)		UWI: NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,459.00/E/0/2,556.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/23/2009	7:00 - 7:15	0.25	COMP	48		P		HSM. SIM OPES
	7:15 - 18:00	10.75	COMP	36	B	P		STG 4) 7:20 AM OPEN WELL 1900#. BEG PUMPING, BRK @ 2616# @ 6.3 BPM. SD ISIP 2000# FG .66. BEG FRAC, EST INJT RT @ 51 BPM @ 4990# = 85% PERF'S OPEN. PUMP 83,504# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2600# FG .72. 8:1AM SWI. FRAC CREW T/ BLUE WELL.
								STG 5) PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 8496' P/U PERF F/ 8464'-66', 4 SPF, 8 HOLES. 8416'-20', 3 SPF, 12 HOLES. 8374'-76', 3 SPF, 6 HOLES. 8318'-22', 3 SPF, 12 HOLES. POOH. 10:48 AM OPEN WELL 1400#. BEG PUMPING, BRK @ 4497# @ 6.3 BPM. SD ISIP 2400# FG .72. BEG FRAC, EST INJT RT @ 51 BPM @ 4800# = 100% PERFS OPEN. PUMP 74,609# 30/50 WHITE & TAILIN W/ 5,000# 20/40 TLC. SD ISIP 2550# FG .73. 11:36 AM SWI, X-OVER T/ BLUE.
								STG 6) PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 90 & 120 DEG PHASING. RIH SET CBP @ 8240' P/U PERF F/ 8208'-10', 4 SPF, 8 HOLES. 8174'-78', 4 SPF, 16 HOLES. 8050'-54', 3 SPF, 12 HOLES. 8012'-14', 3 SPF, 6 HOLES. POOH. 3:36PM OPEN WELL 1780#. BEG PUMPING, BRK @ 3283# @ 6.3 BPM. SD ISIP 1750# FG .65. BEG FRAC, EST INJT RT @ 52.5 BPM @ 4470# = 92% PERF'S OPEN. PUMP 77,505# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2480# FG .74. 4:21PM SWI. X-OVER T/ ORANGE.
								STG 7) PU 4 1/2 8K HAL CBP & 3 3/8 EXP GUN, 23 GM, .36 HOLE SIZE. 120 DEG PHASING. RIH SET CBP @ 7940' P/U PERF F/ 7904'-10', 3 SPF, 18 HOLES. 7826'-30', 3 SPF, 12 HOLES. 7746'-50', 3 SPF, 12 HOLES. POOH. SWI. SDFN.

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US ROCKIES REGION

Operation Summary Report

Well: NBU 922-1801BS (RED)		Spud Conductor: 12/21/2008		Spud Date: 1/21/2009	
Project: UTAH-UINTAH		Site: NBU 922-18J PAD			Rig Name No: GWS 1/1
Event: COMPLETION		Start Date: 8/23/2009		End Date:	
Active Datum: RKB @4,887.00ft (above Mean Sea Level)		UWI: NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,459.00/E/0/2,556.00/0/0			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
9/24/2009	7:00 - 15:00	8.00	COMP	36	B	P		STG 7) 9:55 AM OPEN WELL 530#. BEG PUMPING, BRK @ 2114# @ 6.3 BPM. SD ISIP 1150# FG .58. BEG FRAC, EST INJT RT @ 51 BPM @ 4000# = 79% PERF'S OPEN. PUMP 55,604# 30/50 WHITE & TAIL IN W/ 5,000# 20/40 TLC. SD ISIP 2600# FG .76. 10:30 SWL X-OVER FOR WL T/ SET KILL PLUG. PU 4 1/2 8K HAL CBP. RIH SET CBP @ 7696'. POOH. SWL. RDMO SCHLUMBERGER FRAC SERV & CASED HOLE SOLUTIONS. JSA ROAD SAFETY
9/28/2009	7:00 - 7:15	0.25		48				
	7:15 - 17:30	10.25	COMP	30		P		RIG DOWN OFF 29 PAD MOVE RIG & EQUIP TO 18J PAD RIG BROKE DOWN ON ROUTE TO LOC TWISTED DRIVE LINE REPAIR & REPLACE ROAD RIG TO LOC SPOT RIG PREP TO RIG UP SDFN JSA RU ON PAD WELLS
9/29/2009	7:00 - 7:15	0.25		48				
	7:15 -		COMP	30		P		RU RIG ND FRAC VALVES NU BOPS RU FLOOR & TUB EQUIP SPOT IN TUB FLOAT TALLEY & PU TUBING W/ HURRICANE MILL, POBS & 1.87XN NIPPLE RIH TAG @7670' RU PWR SWVL PLUG #1 TAG SAND @7670' (10' FILL) C/O & DRILL THRU HALLI 8K CBP @ 7680' IN 6 MIN W/ 25# INCREASE PLUG #2 CONTINUE TO RIH TAG SAND @ 7910' (30' FILL) C/O & DRILL THRU HALLI 8K CBP @7940' IN 6 MIN W/ 75# INCREASE PLUG # 3 CONTINUE TO RIH TAG SAND @ 8215' (25' FILL) C/O & DRILL THRU HALLI 8K CBP @ 8240' IN 8 MIN W/ 75# INCREASE PLUG #4 CONTINUE TO RIH TAG SAND @ 8466' (30' FILL) C/O & DRILL THRU HALLI 8K CBP @8496' IN 5 MIN W/ 503 INCREASE. CIRC CLEAN 30 MIN POOH 10 JNTS SWIFN JSA DRIVING SAFELY
9/30/2009	7:00 - 7:15	0.25		48				

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US ROCKIES REGION
Operation Summary Report

Well: NBU 922-18O1BS (RED)		Spud Conductor: 12/21/2008	Spud Date: 1/21/2009
Project: UTAH-UINTAH	Site: NBU 922-18J PAD		Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 8/23/2009	End Date:	
Active Datum: RKB @4,887.00ft (above Mean Sea Level)		UWI: NW/SE/0/9/S/22/E/18/0/0/6/PM/S/1,459.00/E/0/2,556.00/0/0	

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:15 -		COMP	30		P		SIWP= 2300 # OPEN WELL TO PIT RIH TAG FILL @ 8980' RU PWR SWWL PLUG #5 TAG SAND @ 8980' (35' FILL) C/O & DRILL THRU HALLI 8K CBP @ 9015' IN 6 MIN W/ 50# INCREASE PLUG #6 CONTINUE TO RIH TAG SAND @ 9252' (60' FILL) C/O DRILL THRU HALLI 8K CBP @ 9312' IN 6 MIN W/ 0 # INCREASE PLUG # 7 CONTINUE TO RIH TAG SAND @ 9578' (30' FILL) C/O DRILL THRU HALLI 8K CBP @ 9608' IN 6 MIN W/ 0 INCREASE CONTINUE TO RIH TAG SAND @ 9789' (92' FILL) C/O & DRILL TO PBTD @ 9879' W/ 550# FLOWING ON WELL LAND TUB ON HANGER W/ 294 JNTS OF 2-3/8" L-80 TUB EOT @ 9298.73' RD FLOOR & TUB EQUIP ND BOPS, DROP BALL , NU WELLHEAD PUMP OFF POBS SHUT WELL IN F/ 30 MIN TURN WELL OVER TO FBC 2000# ON CAS 9250 BBLS TO RECOVER HIGH WINDS COULDNT RIG DOWN SDFD
10/1/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2950#, TP 1650#, 20/64" CK, 45 BWPH, HEAVY SAND, LIGHT GAS TTL BBLS RECOVERED: 3470 BBLS LEFT TO RECOVER: 8273
	10:30 -		PROD	50				WELL TURNED TO SALE @ 1030 HR ON 10/1/09 - FTP 1675#, CP 3000#, 1.6 MCFD, 45 BWPD, 20/64 CK
10/2/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2700#, TP 1625#, 20/64" CK, 35 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 4425 BBLS LEFT TO RECOVER: 7318
10/3/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2475#, TP 1475#, 20/64" CK, 25 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 5110 BBLS LEFT TO RECOVER: 6633
10/4/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2225#, TP 1400#, 20/64" CK, 20 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 5700 BBLS LEFT TO RECOVER: 6043
10/5/2009	7:00 -			33	A			7 AM FLBK REPORT: CP 2100#, TP 1275#, 20/64" CK, 15 BWPH, LIGHT SAND, - GAS TTL BBLS RECOVERED: 6170 BBLS LEFT TO RECOVER: 5573

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UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENTFORM APPROVED
OMB No. 1004-0137
Expires: July 31, 2010

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Dry <input type="checkbox"/> Other			5. Lease Serial No. UTU461		
b. Type of Completion <input checked="" type="checkbox"/> New Well <input type="checkbox"/> Work Over <input type="checkbox"/> Deepen <input type="checkbox"/> Plug Back <input type="checkbox"/> Diff. Resvr. Other _____			6. If Indian, Allottee or Tribe Name		
2. Name of Operator KERR-MCGEE OIL&GAS ONSHORE			7. Unit or CA Agreement Name and No. 891008900A		
3. Address P.O. BOX 173779 DENVER, CO 80217			8. Lease Name and Well No. NBU 922-1801BS		
3a. Phone No. (include area code) Ph: 720-929-6100			9. API Well No. 43-047-39835		
4. Location of Well (Report location clearly and in accordance with Federal requirements)* At surface NWSE 1459FSL 2556FEL 40.03275 N Lat, 109.48244 W Lon At top prod interval reported below SWSE 1087FSL 1674FEL At total depth SWSE 1082FSL 1664FEL			10. Field and Pool, or Exploratory NATURAL BUTTES		
14. Date Spudded 12/21/2008			11. Sec., T., R., M., or Block and Survey or Area Sec 18 T9S R22E Mer		
15. Date T.D. Reached 06/01/2009			12. County or Parish UINTAH		
16. Date Completed <input type="checkbox"/> D & A <input checked="" type="checkbox"/> Ready to Prod. 10/01/2009			13. State UT		
17. Elevations (DF, KB, RT, GL)* 4861 GL					
18. Total Depth: MD 9930 TVD 9745			19. Plug Back T.D.: MD 9879 TVD 9494		
20. Depth Bridge Plug Set: MD TVD					
21. Type Electric & Other Mechanical Logs Run (Submit copy of each) BHV-TRIPLE COMBO-ACRT_SDL_DSN_CLR			22. Was well cored? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Was DST run? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (Submit analysis) Directional Survey? <input type="checkbox"/> No <input checked="" type="checkbox"/> Yes (Submit analysis)		

23. Casing and Liner Record (Report all strings set in well)

Hole Size	Size/Grade	Wt. (#/ft.)	Top (MD)	Bottom (MD)	Stage Cementer Depth	No. of Sk. & Type of Cement	Slurry Vol. (BBL)	Cement Top*	Amount Pulled
20.000	14.000 STEEL	36.7		40		28			
12.250	9.625 J-55	36.0		2815		725			
7.875	4.500 I-80	11.6		9923		1850			

24. Tubing Record

Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)	Size	Depth Set (MD)	Packer Depth (MD)
2.375	9298							

25. Producing Intervals

Formation	Top	Bottom	Perforated Interval	Size	No. Holes	Perf. Status
A) MESAVERDE	7746	9830	7746 TO 9830	0.360	280	OPEN
B) WSMVP						
C)						
D)						

26. Perforation Record

27. Acid, Fracture, Treatment, Cement Squeeze, Etc.

Depth Interval	Amount and Type of Material
7746 TO 9830	PMP 11,741 BBLS SLICK H2O & 451,806 LBS 30/50 SD.

28. Production - Interval A

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
10/01/2009	10/03/2009	24	→	0.0	1835.0	400.0			FLows FROM WELL
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
20/64	SI 1650	2700.0	→	0	1835	400		PGW	

28a. Production - Interval B

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg.	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
	SI		→						

(See Instructions and spaces for additional data on reverse side)

ELECTRONIC SUBMISSION #76710 VERIFIED BY THE BLM WELL INFORMATION SYSTEM

** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED **

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DIV. OF OIL, GAS & MINING

28b. Production - Interval C

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

28c. Production - Interval D

Date First Produced	Test Date	Hours Tested	Test Production	Oil BBL	Gas MCF	Water BBL	Oil Gravity Corr. API	Gas Gravity	Production Method
			→						
Choke Size	Tbg. Press. Flwg. SI	Csg. Press.	24 Hr. Rate	Oil BBL	Gas MCF	Water BBL	Gas:Oil Ratio	Well Status	
			→						

29. Disposition of Gas(Sold, used for fuel, vented, etc.)

SOLD

30. Summary of Porous Zones (Include Aquifers):

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

31. Formation (Log) Markers

Formation	Top	Bottom	Descriptions, Contents, etc.	Name	Top
					Meas. Depth
GREEN RIVER	1730				
MAHOGANY	2468				
WASATCH	5200	7713			
MESAVERDE	7819	9832			

32. Additional remarks (include plugging procedure):

ATTACHED TO THIS COMPLETION REPORT IS THE CHRONOLOGICAL WELL HISTORY AND END OF WELL REPORT (DIRECTIONAL SURVEY).

33. Circle enclosed attachments:

- | | | | |
|---|--------------------|---------------|-----------------------|
| 1. Electrical/Mechanical Logs (1 full set req'd.) | 2. Geologic Report | 3. DST Report | 4. Directional Survey |
| 5. Sundry Notice for plugging and cement verification | 6. Core Analysis | 7 Other: | |

34. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records (see attached instructions):

Electronic Submission #76710 Verified by the BLM Well Information System.
For KERR-MCGEE OIL&GAS ONSHORE, LP, sent to the Vernal

Name (please print) ANDY LYTLETitle REGULATORY ANALYSTSignature (Electronic Submission)Date 11/02/2009

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ** ORIGINAL ****



ANADARKO PETROLEUM CORP.

UINTAH COUNTY, UTAH (nad 27)

NBU 922-18 PAD IJNOP

NBU 922-18O1BS

1

Survey: FINAL

Standard Survey Report

03 June, 2009



Weatherford®



WELL DETAILS: NBU 922-1801BS						
+N/-S	+E/-W	Northing	Ground Level: Easting	Latitude	Longitude	Slot
0.00	0.00	14541558.40	2065388.00	40° 1' 57.571 N	109° 28' 54.728 W	

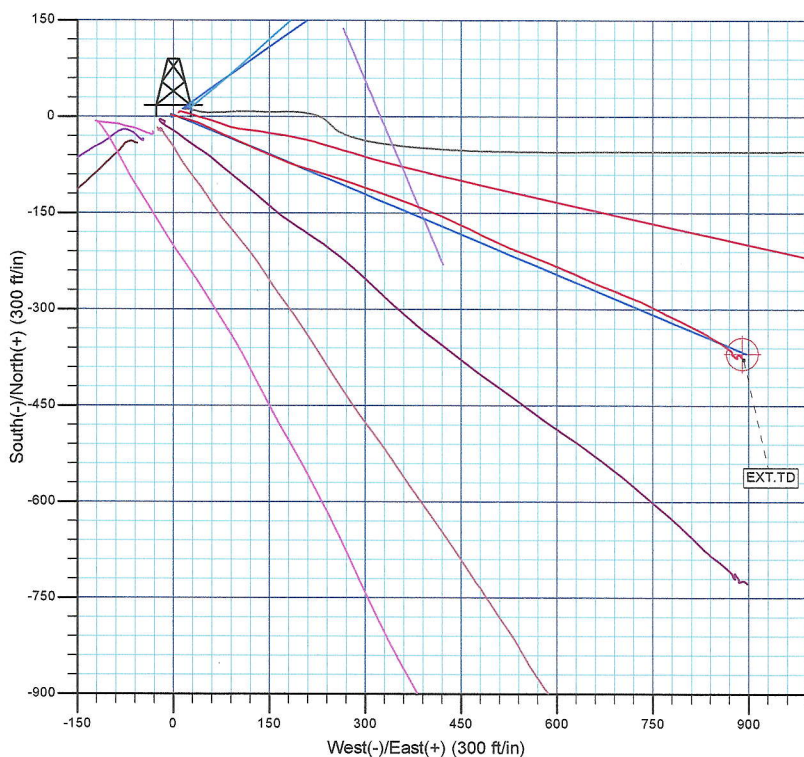
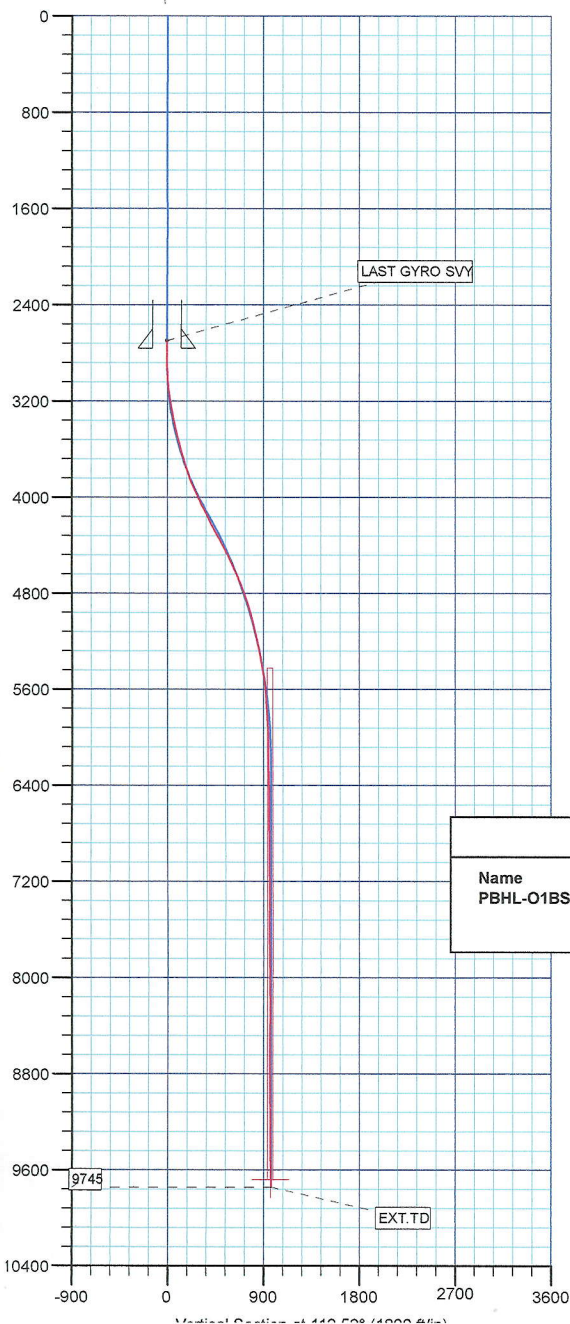
SECTION DETAILS									
MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
2700.00	0.25	334.60	2699.97	3.02	-3.44	0.00	0.00	-4.33	
2863.00	0.25	334.60	2862.97	3.66	-3.74	0.00	0.00	-4.86	
4150.40	32.00	112.75	4084.88	-129.21	318.10	2.50	138.42	343.33	
4224.98	32.00	112.75	4148.12	-144.49	354.54	0.00	0.00	382.84	
6358.19	0.00	0.00	6172.17	-368.90	889.70	1.50	180.00	963.15	
9866.02	0.00	0.00	9680.00	-368.90	889.70	0.00	0.00	963.15	PBHL-01BS

CASING DETAILS			
TVD	MD	Name	Size
2762.97	2763.00	9 5/8"	9.62

FORMATION TOP DETAILS		
TVDPath	MDPath	Formation
4927.00	5089.84	WASATCH
7610.00	7796.02	MESAVERDE



KB ELEV: KB @ 4887.00ft
GRD ELEV: 4861.00



WELLBORE TARGET DETAILS (MAP CO-ORDINATES AND LAT/LONG)									
Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Shape	
PBHL-01BS	9680.00	-368.90	889.70	14541189.50	2066277.70	40° 1' 53.775 N	109° 28' 43.371 W	Circle (Radius: 25.00)	

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: NBU 922-18 PAD IJNOP
Well: NBU 922-18O1BS
Wellbore: 1
Design: 1

Local Co-ordinate Reference: Well NBU 922-18O1BS
TVD Reference: KB @ 4887.00ft
MD Reference: KB @ 4887.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Project	UINTAH COUNTY, UTAH (nad 27),		
Map System:	Universal Transverse Mercator (US Survey Fee	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 - Western US		
Map Zone:	Zone 12N (114 W to 108 W)		

Site		NBU 922-18 PAD IJNOP				
Site Position:		Northing:	14,541,517.50 ft	Latitude:	40° 1' 57.176 N	
From:	Map	Easting:	2,065,331.90 ft	Longitude:	109° 28' 55.458 W	
Position Uncertainty:		0.00 ft	Slot Radius:	0.00 in	Grid Convergence:	0.98 °

Well	NBU 922-18O1BS, 1430 FSL, 2295 FEL - SEC18 T9S R22E					
Well Position	+N/-S	0.00 ft	Northing:	14,541,558.40 ft	Latitude:	40° 1' 57.571 N
	+E/-W	0.00 ft	Easting:	2,065,388.00 ft	Longitude:	109° 28' 54.728 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	4,861.00 ft

Wellbore	1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2008	5/19/2009	11.37	65.98	52,571

Design	1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	112.52	

Survey Program	Date	6/3/2009			
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
100.00	2,700.00	Survey #1 (1)	Gyrodata RGS_WB	GyroCompass Mode	
2,850.00	9,930.00	Survey #2 (1)	MWD	MWD - Standard	

Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
2,700.00	0.25	334.60	2,699.97	3.02	-3.44	-4.33	0.00	0.00	0.00
2,850.00	0.25	187.03	2,849.97	2.99	-3.62	-4.49	0.32	0.00	-98.38
2,945.00	2.25	112.70	2,944.95	2.06	-1.92	-2.57	2.31	2.11	-78.24
3,039.00	5.33	101.02	3,038.73	0.52	4.07	3.56	3.36	3.28	-12.43
3,134.00	8.69	105.77	3,133.01	-2.28	15.31	15.01	3.59	3.54	5.00
3,229.00	11.13	107.89	3,226.58	-7.05	30.94	31.28	2.60	2.57	2.23
3,324.00	11.69	114.52	3,319.71	-13.86	48.42	50.04	1.50	0.59	6.98
3,418.00	14.13	115.14	3,411.33	-22.69	67.48	71.02	2.60	2.60	0.66
3,513.00	15.56	113.27	3,503.15	-32.65	89.68	95.35	1.59	1.51	-1.97
3,608.00	16.81	114.39	3,594.39	-43.35	113.90	121.82	1.36	1.32	1.18
3,702.00	18.94	112.54	3,683.84	-54.82	140.37	150.66	2.34	2.27	-1.97
3,797.00	20.81	113.02	3,773.18	-67.33	170.15	182.96	1.98	1.97	0.51

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: NBU 922-18 PAD IJNOP
Well: NBU 922-18O1BS
Wellbore: 1
Design: 1

Local Co-ordinate Reference: Well NBU 922-18O1BS
TVD Reference: KB @ 4887.00ft
MD Reference: KB @ 4887.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
3,892.00	23.25	106.77	3,861.25	-79.34	203.64	218.50	3.56	2.57	-6.58
3,987.00	27.13	106.89	3,947.20	-91.05	242.33	258.73	4.08	4.08	0.13
4,082.00	27.81	109.64	4,031.49	-104.79	283.93	302.42	1.51	0.72	2.89
4,177.00	30.44	108.39	4,114.47	-119.83	327.65	348.56	2.84	2.77	-1.32
4,271.00	29.88	111.14	4,195.75	-135.79	372.09	395.72	1.59	-0.60	2.93
4,366.00	30.50	112.52	4,277.87	-153.56	416.43	443.49	0.98	0.65	1.45
4,461.00	30.44	116.89	4,359.76	-173.68	460.17	491.60	2.33	-0.06	4.60
4,556.00	31.06	114.02	4,441.41	-194.54	504.02	540.09	1.68	0.65	-3.02
4,651.00	27.63	111.27	4,524.21	-212.51	546.95	586.63	3.88	-3.61	-2.89
4,745.00	26.81	110.89	4,607.80	-227.98	587.06	629.61	0.89	-0.87	-0.40
4,840.00	25.31	114.52	4,693.14	-244.05	625.56	671.33	2.30	-1.58	3.82
4,935.00	23.06	113.02	4,779.80	-259.75	661.16	710.23	2.45	-2.37	-1.58
5,029.00	19.63	110.64	4,867.34	-272.52	692.89	744.44	3.76	-3.65	-2.53
5,123.00	18.11	113.08	4,956.29	-283.82	721.11	774.83	1.82	-1.62	2.60
5,218.00	15.69	116.77	5,047.18	-295.39	746.17	802.41	2.79	-2.55	3.88
5,312.00	14.56	116.02	5,137.92	-306.30	768.14	826.88	1.22	-1.20	-0.80
5,407.00	13.38	115.39	5,230.11	-316.25	788.80	849.77	1.25	-1.24	-0.66
5,502.00	12.56	116.27	5,322.69	-325.54	807.99	871.06	0.89	-0.86	0.93
5,597.00	10.88	119.64	5,415.70	-334.54	825.05	890.27	1.91	-1.77	3.55
5,692.00	8.63	121.14	5,509.32	-342.66	838.94	906.21	2.38	-2.37	1.58
5,787.00	6.63	120.27	5,603.48	-349.12	849.78	918.69	2.11	-2.11	-0.92
5,882.00	4.69	123.02	5,698.01	-354.00	857.77	927.95	2.06	-2.04	2.89
5,976.00	4.19	127.89	5,791.73	-358.20	863.71	935.04	0.67	-0.53	5.18
6,071.00	3.00	122.89	5,886.54	-361.68	868.53	940.83	1.29	-1.25	-5.26
6,166.00	2.25	128.39	5,981.44	-364.19	872.08	945.07	0.83	-0.79	5.79
6,261.00	0.56	148.89	6,076.41	-365.75	873.78	947.24	1.83	-1.78	21.58
6,355.00	1.19	189.77	6,170.40	-367.10	873.85	947.82	0.90	0.67	43.49
6,449.00	1.63	177.77	6,264.37	-369.40	873.74	948.60	0.56	0.47	-12.77
6,543.00	0.63	81.52	6,358.35	-370.66	874.30	949.60	1.93	-1.06	-102.39
6,638.00	0.50	96.64	6,453.35	-370.63	875.23	950.45	0.21	-0.14	15.92
6,732.00	0.81	136.64	6,547.34	-371.16	876.10	951.45	0.57	0.33	42.55
6,826.00	1.19	144.64	6,641.33	-372.44	877.12	952.88	0.43	0.40	8.51
6,921.00	0.31	156.39	6,736.32	-373.48	877.79	953.90	0.94	-0.93	12.37
7,016.00	0.30	96.27	6,831.32	-373.74	878.14	954.32	0.32	-0.01	-63.28
7,109.00	0.44	149.27	6,924.32	-374.07	878.57	954.84	0.38	0.15	56.99
7,204.00	0.81	134.77	7,019.31	-374.86	879.23	955.76	0.42	0.39	-15.26
7,298.00	0.94	96.27	7,113.30	-375.41	880.47	957.11	0.63	0.14	-40.96
7,393.00	0.75	119.27	7,208.29	-375.80	881.78	958.48	0.41	-0.20	24.21
7,488.00	0.88	341.14	7,303.29	-375.42	882.09	958.61	1.60	0.14	-145.40
7,582.00	0.38	318.02	7,397.28	-374.50	881.65	957.86	0.59	-0.53	-24.60
7,677.00	0.13	250.89	7,492.28	-374.30	881.34	957.49	0.37	-0.26	-70.66
7,771.00	1.06	4.39	7,586.28	-373.47	881.30	957.14	1.19	0.99	120.74
7,865.00	0.75	39.77	7,680.26	-372.13	881.76	957.05	0.66	-0.33	37.64
7,960.00	0.88	63.02	7,775.26	-371.32	882.81	957.71	0.37	0.14	24.47
8,055.00	0.69	89.27	7,870.25	-370.98	884.03	958.71	0.42	-0.20	27.63
8,150.00	0.67	90.06	7,965.24	-370.98	885.16	959.75	0.02	-0.02	0.83
8,244.00	1.06	115.39	8,059.23	-371.35	886.49	961.13	0.57	0.41	26.95
8,339.00	0.88	134.27	8,154.22	-372.24	887.81	962.68	0.38	-0.19	19.87
8,434.00	0.75	151.39	8,249.21	-373.29	888.63	963.84	0.29	-0.14	18.02
8,527.00	0.88	328.27	8,342.20	-373.22	888.55	963.74	1.75	0.14	190.19
8,622.00	0.56	327.77	8,437.20	-372.21	887.92	962.77	0.34	-0.34	-0.53
8,717.00	0.19	340.22	8,532.19	-371.66	887.61	962.28	0.40	-0.39	13.11
8,812.00	0.19	234.27	8,627.19	-371.61	887.43	962.09	0.32	0.00	-111.53
8,906.00	0.19	191.27	8,721.19	-371.85	887.28	962.04	0.15	0.00	-45.74

Company: ANADARKO PETROLEUM CORP.
Project: UINTAH COUNTY, UTAH (nad 27)
Site: NBU 922-18 PAD IJNOP
Well: NBU 922-18O1BS
Wellbore: 1
Design: 1

Local Co-ordinate Reference: Well NBU 922-18O1BS
TVD Reference: KB @ 4887.00ft
MD Reference: KB @ 4887.00ft
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 2003.21 Single User Db

Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)
9,001.00	0.22	221.90	8,816.19	-372.14	887.12	962.01	0.12	0.03	32.24
9,096.00	0.19	122.52	8,911.19	-372.36	887.14	962.10	0.33	-0.03	-104.61
9,190.00	0.50	135.27	9,005.19	-372.74	887.56	962.64	0.34	0.33	13.56
9,285.00	0.44	171.27	9,100.19	-373.39	887.90	963.21	0.31	-0.06	37.89
9,382.00	0.25	155.89	9,197.18	-373.95	888.05	963.55	0.22	-0.20	-15.86
9,477.00	0.56	123.56	9,292.18	-374.40	888.52	964.16	0.39	0.33	-34.03
9,571.00	0.88	145.39	9,386.18	-375.25	889.31	965.22	0.44	0.34	23.22
9,666.00	0.44	126.77	9,481.17	-376.07	890.02	966.18	0.51	-0.46	-19.60
9,761.00	0.75	117.64	9,576.16	-376.57	890.86	967.16	0.34	0.33	-9.61
9,856.00	0.69	127.64	9,671.16	-377.21	891.86	968.33	0.15	-0.06	10.53
9,878.00	0.81	133.27	9,693.15	-377.40	892.08	968.60	0.64	0.55	25.59
EXT.TD									
9,930.00	0.81	133.27	9,745.15	-377.90	892.62	969.29	0.00	0.00	0.00

Survey Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
9,930.00	9,745.15	-377.90	892.62	EXT.TD

Checked By: _____ Approved By: _____ Date: _____